Date: October 9, 2021

CURRICULUM VITAE

**A. Personal Information:**

 Name in Full Donna Spruijt-Metz, Ph.D.

 Research Professor, Psychology

 Research Professor, Preventive Medicine

 Director, USC mHealth Collaboratory

 E-mail Address dmetz@usc.edu

# B. Education:

|  |  |
| --- | --- |
| High School | Newport Harbor High School, Newport Beach, California, 1968 |
| College or University | California Institute of the Arts, B.F.A., 1972: Flute |
|  | California Institute of the Arts, M.F.A., 1976: Flute performance |
| Royal Conservatory, The Hague, The Netherlands, M.F.A., 1980: Flute Pedagogy |
| University of Amsterdam, The Netherlands, B.S., 1985: Psychology |
| University of Amsterdam, The Netherlands, M.Sci. 8/30/91: Psychological Research Methods |
| Otis College of Art and Design, M.F.A. 2006: Creative Writing |
| Advanced Degree | Vrije Universiteit Amsterdam, Medical Faculty, Department of Medical Ethics and the Philosophy of Medicine, The Netherlands, Ph.D., 1996: Medical Ethics/Adolescent Health |
| Honors and Awards | * B.Sci in Psychology received with highest academic honors (cum laude) 1986
 |
|  | * M.Sci. in Research Methods and Quantitative Psychology received with highest academic honors (cum laude) 1991
 |
|  | * *Citation Award for outstanding paper*: Society of Behavioral Medicine, 24th annual meeting, Salt Lake City, Utah, March 2003
 |
|  | * *Best Paper Award* 5th IEEE International Conference on Distributed Computing in Sensor Systems, (DCOSS'09), Marina Del Rey, CA (June 2009)
 |
|  | * Donna Spruijt-Metz, Ming Li, Gautam Thatte, Gaurav Sakhatme, Murali Annavaram, Sabyasachi Ghosh, Viktor Rozgic, Urbashi Mitra, Nenad Medvidovic, Britni Belcher and Shrikanth Narayanan, “The KNOWME Network: Energy-Efficient Activity-Detection for Pediatric Obesity,” 3rd Annual International USC Body Computing Conference, California (October, 2009). (*Best Presentation on Body Computing Prize*)
* Spruijt-Metz D, Lui T, Belcher B, Lane CJ, Weigensberg M. “Sugar Takes the Edge Off: High-Sugar (HS) Meals Lead to Lower Objectively and Subjectively Measured Stress as Compared to Low Sugar Meals (LS) in Overweight Latino and African American (AA) Youth: the Food, Adolescence, Mood, and Exercise (FAME) study” *Diversity Tour Abstract Award for Excellence in Science with a Focus on Diverse Populations* (Obesity Society Annual Meeting, 2011)
* Wen CK, Weigensberg M, Schneider S, Weerman B, Spruijt-Metz D. Validity of ZEMI on Ambulatory Salivary Cortisol Assessment in a Minority Adolescent Population. Wireless Health, October 14-16, National Institutes of Health, Bethesda MD. *Best Abstract Award*
* Spruijt-Metz D. *Obesity Society eHealth/mHealth Pioneer Award*, Obesity Society Annual Meeting, Los Angeles, California 2015
 |

# C. Professional Background:

 Academic appointments Current

 Director, USC mHealth Collaboratory, USC Center for Economic and Social Research 2013-present

Research Professor, USC Dornsife Department of Psychology 2015-present

Research Professor, Preventive Medicine, 2014-present

Member Norris Comprehensive Cancer Center, University of Southern California, Los Angeles, CA, 2001-present

Academic appointments Previous

Director, Responsible Conduct in Research, Keck School of Medicine, 2011-2018

Associate Professor, Institute for Health Promotion and Disease Prevention, Department of Preventive Medicine, University of Southern California, 2008-2013

Co-Director of the USC Clinical and Translational Science Institute, Ethics Program, 2012-2013

Assistant Professor of Research, Institute for Health Promotion and Disease

 Prevention, Department of Preventive Medicine, University of Southern California, 2000-2008

Member Norris Comprehensive Cancer Center, 2001-present

Research Associate, Institute for Health Promotion and Disease Prevention,

 Department of Preventive Medicine, University of Southern California, 1999-2000

Senior Researcher, Trimbos Institute**,** Netherlands Institute for Mental Health and AddictionDivision of Prevention*,* 1999

Associate Adjunct Professor, University of Judaism, Psychology Department, 9/7/99-12/99

Associate Adjunct Professor, University of Southern California, Rossier School of Education, 9/1/98-2000

Associate Adjunct Professor, California State University at Los Angeles, Charter School of Education, Division of Educational Foundations and Interdivisional Studies, 6/22/98-12/15/98

Guest Professor, Vrije Universiteit Amsterdam, Department of Medical Ethics and the Philosophy of Medicine 1996-present

Associate Professor, Vrije Universiteit Amsterdam, Department of Medical Ethics and the Philosophy of Medicine 1995-1996

Assistant Researcher, Vrije Universiteit Amsterdam, Department of Medical Ethics and the Philosophy of Medicine, 1991-1995

 Other Experience

Teaching Assistant, Philosophy of Science, University of Amsterdam, Faculty of Psychology, 1987-1988

Professional Flutist, 1971-1990, on and off to present

Dean of Part Time Study, Department of Psychology, University of Amsterdam, 1985-1989

Head of Central Registration, Department of Psychology, University of Amsterdam, 1987-1988

Member, Curriculum Committee, Department of Psychology, University of Amsterdam, 1984-1989

Head of Marketing and Personnel, Electronic Publishing Services, Amsterdam, The Netherlands, 1989-1991

Poet and writer: 2000-present

Member, Board of Directors, Dutch Flute Society, 1994-1996

 Teaching Responsibilities

University of Amsterdam

Research Methods and Practice course for graduate students, 1989-91

Introduction to Psychology course for freshman and sophomores, 1989-91

Philosophy of Science course for freshman and sophomores, 1989-91

The Vrije Universiteit Amsterdam and the University of Amsterdam

Introduction to Psychology course for freshman, 1991-97

Research Practicals course for sophomores, 1991-97

Culture and Health course for 2nd year medical students, 1991-97

Philosophy and Medical Ethics course for 3rd year medical students, 1991-97

Clinical Line Curriculum course for 4th year medical students, 1991-97

Philosophy of Science course for freshman, 1992

Man, Physician and Society course for 1st year medical students, 1993

Health Care course for 4th year medical students, 1994

Philosophy of Science and Logic course for Ph.D. students, 1995

Supervision of Masters degree and Ph.D. students, 1995-97

California State University at Los Angeles

##### Evaluation of Educational Research course for graduate students, 1997-99

##### Introduction to Statistics course for graduate students, 1997-99

###### University of Judaism

###### Psychological Research Methods course for undergraduate students, 1997-99

Statistics course for undergraduate students, 1997-99

University of Southern California

###### Learning and Individual Differences course for graduate students, *EDPS 502*,1997-99

Adolescent Development course for graduate students, *EDPT 624*, 1997-99

Supervision of undergraduate directed research, *HP 490*, 2000-present

Supervision of Master’s and Ph.D. students, *HP 590, HP 690,* 2000-present

Violence as a Public Health Issue, Upper division undergraduate, *HP 421,* 2000-02

Adolescent Health, Upper division undergraduate, *HP-460,* 2002-04

Research Ethics, Master’s degree and Ph.D. students, various classes, ongoing

Organizing and Mobilizing Communities for Global Health, *PM 563*, 2006-2007

Religion and Health, Upper division undergraduate, *HP 404,* 2004-2009

Global Health: Obesity and Nutrition, Upper division undergraduate, *HP XXX*, Spring 2010

Health Behavior Research Methods, *HP 350*, Spring 2011

Nutrition and Health, *HP 230*, Fall 2012

Responsible Conduct in Research, *INTD 500,* 2010-2018

Ongoing supervision of undergraduate, graduate and postdoctoral students, 2000-present

National Institutes of Health

Faculty, mHealth training Institutes: 2011-present

 Graduate Student Committees

PhD Dissertation Committee Chairperson or Co-Chairperson

Fan-Ni Hsia, Rossier School of Education, University of Southern California: *Acculturation styles, gender differences and meanings of smoking in Asian-American college students,* 2006

Selena Michel, Department of Preventive Medicine, University of Southern California: *Psychosocial & Behavioral Factors Associated with Emotional Eating in Adolescents,* 2006

Arianna McClain, Department of Preventive Medicine, University of Southern California: *Motivation And The Meanings Of Health Behavior As Factors Asscociated With Eating Behavior In Latino Youth*, 2010

Ya-Wen Janice Hsu, Department of Preventive Medicine, University of Southern California, *The Vicious Cycle Of Inactivity, Obesity, And Metabolic Health Consequences In At-Risk Pediatirc Populations*, 2011

Britni Belcher, Department of Preventive Medicine, University of Southern California, *Objectively Measured Physical Activity And Related Factors In Minority Youth,* 2011

Elizabeth Barnett, Department of Preventive Medicine, University of Southern California, *Motivational Interviewing, a Closer Look.* 2013

Lauren Cook, Department of Preventive Medicine, University of Southern California: *Influences of specific environmental domains on childhood obesity and related behaviors,* 2017

Gillian O’Reilly, Department of Preventive Medicine, University of Southern California: *Effects of sugar and fiber consumption in minority adolescents and self-monitoring as a potential dietary intervention tool*, 2017

Cheng Kun Wen, Department of Preventive Medicine, University of Southern California, *The Acute Relationship between Affective States and Physiological Stress Response, and the Moderating Role of Moderate-to-Vigorous Physical Activity,* 2018

Brooke Bell, Department of Preventive Medicine, University of Southern California, *System Dynamics of In- Home Family Eating Behavior: Insights From Intensive Longitudinal Data Using Ecological Momentary Assessment and Wearable Sensors*, 2021

Steven de la Torre, Department of Preventive Medicine, University of Southern

 California, Ongoing expected 2023

Ph.D. Dissertation Committee Outside Member:

Michelle Beesaw Oram, Department of Anthropology, University of Southern California: 2002

Laurie Freedman, Department of Psychology, University of Southern California: 2003

Nicole Sintov, Psychology Department, University of Southern California: 2010

Harriette Snoek, Behavioural Science Institute, Radboud University Nijmegen, 2009

Ernest Shen, Department of Biostatistics, University of Southern California, ongoing expected 2014

Amanda Foran, Occupational Sciences, University of Southern California, *Social interaction moderates enjoyment and perception of physical activity during exergame play in young adults with autism spectrum disorders,* 2014

Caitlyn Smith, Department of Psychology, University of Southern California, *A “Second Chance” Program For Vulnerable Young Adults: A Program Evaluation And A Randomized Controlled Trial Of Adjunctive Motivational Interviewing To Improve Retention*, 2014

Maggie Ramirez, Industrial and Systems Engineering, University of Southern California, *Engineering a Behavioral Change and Social Support Prompting System to Increase Physical Activity Among Underserved Adults with Type 2 Diabetes,* September 2014

Stephanie Hsieh, Health Behavior and Society, Johns Hopkins School of Public Health: 2013 (completed)

Ph.D. Guidance & Committee Member:

Annette Kalf, Medical Faculty, Department of Medical Ethics, Vrije Universiteit Amsterdam: 1997

Sabine de Vries, Medical Faculty, Department of Medical Ethics, Vrije Universiteit Amsterdam: 1998

Bin Xie, Department of Preventive Medicine, University of Southern California: 2005

Nikki Herman-Shipley, Department of Preventive Medicine, University of Southern California, 2008

Guneet Kaur, Department of Preventive Medicine, University of Southern California: 2008

Courtney Byrd-Williams, Department of Preventive Medicine, University of Southern California: 2009

Donna Dueker, Department of Preventive Medicine, University of Southern California, completed

Masters Thesis Chairperson:

L. Moerlie, Medical Faculty, Department of Medical Ethics, Vrije Universiteit Amsterdam: 1997

Masters Thesis Committee

 Denny Borsboom, Psychology Department, University of Amsterdam: 1998

Dan Van Veenendaal, Medical Faculty, Department of Medical Ethics, Vrije Universiteit Amsterdam: 1997

Lisbeth Nekkers, Psychology Department, University of Amsterdam: 1998

Peisheng Shi, Biostatistics, Preventive Medicine, USC: 2012

MD/PhD Thesis committee:

Ariane Marie, Department of Preventive Medicine, University of Southern California: 2002

Undergraduate Mentorship

Mentor between 4 and 8 undergraduate students each semester for field or research practicum - HP490, annually since 1999.

Awards:

 Rigoberto Garcia, Undergraduate Research Award USC, 2004

 Stephanie Bughi and Jatturong Wichianson, first place honor at USC’s eighth annual Undergraduate Symposium for Scholarly and Creative Work, 2006

 Andrew Kamrouz and Sean Delaney, Undergraduate Research Awards USC, 2007

Postdoctoral Fellows:

Selena Rodriguez-Nguyen 2006-2010

Dawna Salter Venzon 2006-2008

Brook Adar Emken 2009-2010

Susan Schembre: 2011- 2012

Junior Faculty (Mentor on Career Award)

Jaimie Davis – Preventive Medicine (2006-2012)

Genevieve Dunton – Preventive Medicine (2010-2014)

Jimi Huh – Preventive Medicine (2011- present)

Beth Pyatak – Occupational Therapy (2014-2018)

 Selena Rodriguez-Nguyen-Health Sciences

**D. Society Memberships**

 National

American Psychological Association, 1996- 2010

American Public Health Association, 2000- 2009

American College for Sports Medicine, 2001- 2018

Society of Behavioral Medicine, 2002- present

Society for Research on Adolescence, 1999- 2018

Society of Adolescent Medicine, 1998-2009

The Obesity Society, 2000 – 2018

North American Society for Pediatric Exercise Medicine, 2002-

[2012](http://www.naspspa.org)

Society for Research on Child Development 2010-2012

IEEE 2011-present

 International

International Society for Behavioral Nutrition and Physical Activity 2010-2018

International Association for the Study of Time Use, 2001- 2010

European Association for Research on Adolescence, 1994- 2010

International Association for Adolescent Health, 1994- 2010

International Association for the Study of Obesity, 2009- 2018

International Society for Physical Activity and Health, 2010-present

Sedentary Behaviour Research Network, 2000-present

Society for Ambulatory Assessment 2000-present

**E. Service:**

USC School of Medicine and USC University-wide

Alternate member, MFA, University of Southern California, 2003-2005

Member, IPR Ph.D Development Committee 2004-2008

Member USC Cancer Center, 2000-present

Member, HSC Institutional Review Board (IRB), 2005-present

Member, Advisory Committee to the Chair (Preventive Medicine) 2009-2014

Member, University Research Committee, 2010-2013

Chair, University Research Committee, 2012-2013

Member, USC Academic Senate, 2012-2013

Member, Advisory Board, Center for Interactive Media Technologies in Healthcare 2012-2014

Member, Steering Committee, Creative Media & Behavioral Health Center, 2011-present

Faculty, USC Wireless Health Technology Masters Program, 2013-present

Director, USC mhealth Colloaboratory, 2014-present

Reviewer, Scientific Proposals

 Ad Hoc member (2007-2009) NIH Community-Level Health Promotion Study Section

 Ad Hoc member (current), NIH Psychosocial Risk & Disease Prevention Study Section

 Member and Chair: NIH Obesity Time-Sensitive Proposal Study Section

 Chair and member (2014-present): NIH Fogarty Center’s International mHealth Initiative

 Annual Reviewer for Transdisciplinary Research for Energetics and Cancer Pilot Project Proposals 2005-2010

 Ad hoc Annual Reviewer for the Department of Pediatrics Mentored Junior Faculty Academic Career & Development Award (ACDA) grants

 Ad hoc Annual Reviewer USC Collaboration Funds

 Ad hoc Reviewer USC CTSI pilot studies

 Annual Reviewer USC CTSI pilot proposals

 Regular NSF review panels: Smart and Connected Health

 Invited panel (2015) for site visit for NSF center Cybersecurity for Health and Wellness Systems, the THaW project ([thaw.org](http://thaw.org/)),

 Member, special review panel for NIH PRISMS U54 applications (2015)

National Steering and Oversight Committees

Chair of the Transdisciplinary Research for Energetics and Cancer Physical Activity, Sleep and Environmental Measurement Working Group, 2005-2010

Co-chair of the Transdisciplinary Research for Energetics and Psychosocial Working Group, 2008-2009

Founding Member and Chair: The Obesity Society eHealth/mHealth section, 2012-present

Program Committee, Wireless Health conference 2012-2015

Clinical Translational Science Award: National TElemed, teleheAlth, Mhealth Special Interest Group Co-chair: 2012-2013

Clinical Translational Science Award: National Ethics KFC, member

Co-Chair, NCI sponsored Repository for Algorithm Development for Activity Research (RADAR) project, 2012-2014

Co-Chair, CTSA National Special Interest Group e-health, telehealth and mhealth 2012-2013

Chair-elect, Obesity Society Special Interest Group mhealth and ehealth 2012-2013

Chair, Obesity Society Special Interest Group mhealth and ehealth, 2013-2014

Chair Emeritus, Obesity Society Special Interest Group mhealth and ehealth, 2014-2015

Member, Report Card Research Advisory Committee (a sub-committee of the National Physical Activity Plan Alliance (The Alliance), 2013-2019.

Chair, Intensive Longitudinal Health Behaviors Network 2021-Present

Editorships

 Associate Editor, Pediatric Obesity, 2011-2019
 Associate Reviewer, American Journal of Health Promotion, 2009-2012

 Member of the inaugural editorial board of the JMIR mHealth and uHealth (JMU) 2015- 2019

 Associate Editor Nature Partners Journal Digital Medicine 2016-2020

 Associate Editor ACM Health 2017-2022

Reviewer Scientific Manuscripts (a selection from the many journals for which I review)

Journal of Adolescent Health

American Journal of Health Promotion

American Journal of Public Health

Preventive Medicine

Health Education Research: Theory and Practice

American Journal of Clinical Nutrition

European Journal of Clinical Nutrition

Journal of Adolescence

Obesity

International Journal of Pediatric Obesity
International Journal of Behavioral Nutrition and Physical Activity

Annals of Behavioral Medicine

Nicotine and Tobacco Research

American Journal of Preventive Medicine

Health Psychology
New England Journal of Medicine

Journal of Physical Activity and Health
Archives of Pediatric & Adolescent Medicine

Acta Paediatrica

Journal of the American Medical Association

Translational Behavioral Medicine

Community Service

Chair, American Diabetes Association Education Committee & Los Angeles Youth Committee, 2009-2012

Member, American Diabetes Association, Los Angeles EXPO planning committee, 2010-2012

Member, Advisory Committee Member for Los Angeles County Department of Public Health’s Choose Healthy Kids LA, 2012-present

Member, the National Children’s Physical Activity Report Card Research Advisory Committee 2013-2014

 Other

***Conference Organization***

Organizer, The Obesity Society mHealth Training, Atlanta, November 2013

Co-Chair, Program Committee, Wireless Health 2012, Wireless Health 2013, Wireless Health 2014, Wireless Health 2015

Co-Chair and PI (NSF), International Workshop on New Computationally-Enabled Theoretical Models to Support Health Behavior Change and Maintenance (Jointly funded by the NSF and the European Union), October 16-17, 2012, Brussels, Belgium

Co-Chair and PI (NSF), International Workshop on Dynamic Modeling of Health Behavior Change and Maintenance: Optimizing Just-In-Time, Adaptive Interventions (Jointly funded by the NSF, the UK Medical Research Council, the Union College of London Centre for Behaviour Change and the Robert Wood Johnson Foundation), Sept 8-9, 2015, London, England

Co-Chair PerCom 2021 (Virtual upcoming)

***National and International Training in mobile health***

Senior faculty, National Institutes of Health (NIH) mHealth summer institute, San Diego, California, 2011

Senior faculty, NIH mHealth winter institute, Washington DC, 2011

Senior faculty, NIH mHealth summer Training, Boston, 2012

Senior faculty, NIH mHealth winter training, Washington DC, 2012

Senior faculty, NIH mHealth summer training, UCLA, Los Angeles, CA, 2013-present

Senior faculty, NIH mHealth winter training, Washington DC, 2013

Senior faculty, NIH mHealth summer online training, UCLA, Los Angeles, CA, 2014

Senior faculty, NIH mHealth winter training, Washington DC, 2014

Senior faculty, NIH mHealth winter training, Washington DC, 2015

Senior faculty, Society for Behavioral Medicine (SBM) mHealth Training, San Francisco, March 2013

Senior faculty, SBM mHealth Training, San Antonio, Texas, March 2015

Senior faculty, International Society for Behavioral Nutrition and Physical Activity Annual conference, Edinburgh, Scotland, June 3-6 2015

Senior faculty, NIH-funded mHealth annual summer training at UCLA, 2015-present

***Consultantships***

Curriculum development and research

Royer Studios 2004-2008

Kids In Sports, 2001-2006

American Phytotherapy Research Lab (APRL) to study the use of plants or plant extracts for medicinal purposes, 2002-2003

Trimbos Institute**,** Netherlands Institute for Mental Health and AddictionDivision of Prevention, 1996-2001

UCLA BRITE Center, 2012- 2019

Otsuka America Pharmaceutical, Inc., 2014-2015

BLOOM, 2014-2016

Zamzee, Hope Labs, 2014-2016

# F. Research Activities:

Complete Bibliography Appended

Major Areas of Research Interest

My major area of interest is mobile health to prevent and treat obesity and or change obesity-related behaviors: Wireless body area networks, mobile phone and internet based games, real time data collection and adaptive interventions to prevent and treat obesity in minority youth and their families. This includes the development of mobile systems to measure physical activity, diet, eating and emotion and locate these phenomena geographically, and the development of serious games to promote physical activity and healthy diet. My second major area of interest in deeply intertwined with the first. This area spans transdisciplinary questions on the relative contributions of metabolism, inflammation, insulin dynamics, puberty, psychosocial development, built and social environment, motivation, cognition and emotion to child and adolescent obesity and related behavior. I am particularly interested in the reciprocal influences on diet and physical activity, and how we can use this knowledge to promote physical activity and healthy diet in ethnically diverse adolescent populations using wireless and connected technologies. Current research includes a study of real-time family dynamics around eating behaviors in the home using new technologies, the development of mHealth sensor sets to measure physical activity, diet and emotion and locate these phenomena geographically, and the use of the IoT (Internet of Things) to continuously monitor obesity-related behaviors in social networks in real time. More recently, I am interested in developing mobile Virtual Humans and Virtual Companions to offer just-in-time interventions for obesity-related treatment and prevention, and for use in mental health applications. A major interest of mine is the development of new dynamic theories and models of behavior that can be used to drive Just-In-Time, Adaptive Interventions.

Research in Progress

Using new technologies to collect continuous data to understand behavior in real time. Understanding physiological and psychosocial determinants of dietary intake and physical activity in minority youth and their families. Using new technologies to deliver just-in-time, personalized interventions to increase walking and physical activity in adult populations. Developing mobile body sensor feedback systems and Cyber Physical Systems to enable real-time interventions for youth and families. Understanding the interplay between blood-sugar levels, behavior and cognitive abilities in people with diabetes using real-time technologies. Developing new Computationally-Enabled models of health behavior and behavior change to promote real-time interventions to change obesity-related behaviors ‘for good’.

Research Grants

Principal Investigator

1. Understanding and preventing college smoking. $74,851
TRDRP (Tobacco-Related Disease Control Program)
9KT-0191

2000-2003, Principal Investigator (75%)

1. Cancer prevention through preventing the decline in $12,609
physical activity in adolescent girls.
(NCI) Norris Cancer Center Innovative Cancer Control Pilot Grants
2001-2003, Principal Investigator (6%)
2. Physical activity and weight concerns in early adolescent girls. $277,903
NIH (NIDDK)
K01 DK059293
2001-2004, Principal Investigator (75%)
3. Promoting physical activity in adolescent and young $9,564
adult populations.
USC undergraduate programs (this is a grant that undergoes peer review and provides stipends for undergraduate students to work on supervised research)
2001 - 2002, Principal Investigator
4. Is active participation in religious activities related to reduced $4,000
stress and healthier lifestyle in adolescent populations of
diverse ethnicity?
The Center for Religion and Civic Culture Undergraduate Research Award
2002-2004, Principal Investigator
5. Relationships between adolescent spirituality/religiosity, $5,000
health-related behaviors, and biopsychosocial health across ethnicities and religions.
The Center for Religion and Civic Culture funded by The Pew Charitable Trusts
2003-2004, Principal Investigator
6. Understanding the meanings of drug use in high risk $19,913
college populations (Pilot Study).
USC Transdisciplinary Prevention Research Center funded by NIDA
2003-2005, Principal Investigator (3%)
7. Relationships between religion, religiosity, spirituality and $5,500
health in ethnically diverse adolescent populations.
USC Undergraduate Summer Research Awards
Student award to Rigoberto Garcia
Summer 2004, Principal Investigator
8. Relationship between adolescent religiosity/spirituality $2,500
and health among adolescents.
The Center for Religion and Civic Culture Faculty Research Award
2004-2005, Principal Investigator
9. Acute effects of simple carbohydrate intake on mood and $50,000

 physical activity in Latina girls.
 Baxter Foundation Award
 2004-2006, Principal Investigator (20%)

1. Metabolic and behavioral effects of breakfast frequency and $45,000
Quality in a Bi-Ethnic Sample of Children: A Transdisciplinary
Cross-Site Developmental Project.
TREC Pilot Study Program NCI
2006-2007, Principal Investigator (5%)
2. USC Center for transdisciplinary research Total Directs $7,199,887
on energetics and cancer.
Project 2: Insulin Resistance and Declining Project 2 Directs $1,062,503
Physical Activity Levels in African American and Latina Girls
Goran & Bernstein, Center PI’s
**Spruijt-Metz,** PI Project 2 and Core B Co-Director (40%)
NCI U54CA116848

 2005-2010

1. Obesity in minority children and youth Total Directs Center $5,216,861
in Los Angeles: A generation at risk.
Project 1: Effects of High versus Low Project 1 Directs: $1,661,154
Sugar Meals in African American and Hispanic Youth
NCMHD P60 MD002254-01
Goran, PI, Center
**Spruijt-Metz**, PI Project 1 (20%)
2007-2012
2. Mobile Device Biomonitoring to Prevent Total Directs $948,348
and Treat Obesity in Underserved Minority Youth
NCMHD (supplement to P60 MD002254-01)
**Spruijt-Metz,** PI (10%)
9/2008-8/2010
3. eMote: Enhanced Minority youth health Outcomes $50,000
Through Entertainment
Zumberge
**Spruijt-Metz** (Co-PI with Kagan)
4. Virtual Sprouts: Web Based Gardening Game to Teach Nutrition $1,255,178
and Combat Obesity
NCCR (R25RR032159)
**Spruijt-Metz,** PI (10%)
5. LA Sprouts: A garden/nutrition intervention to $232,636
improve health for high-risk youth
NIDDK (R21DK094066)
**Spruijt-Metz,** PI
6. International Workshop on New Computationally-Enabled $47,800
Theoretical Models to Support Health Behavior Change and Maintenance
NSF (IIS-1217464)
**Spruijt-Metz,** PI (0%)
2/15/2012-07/31/2012
7. Active NAO!! Socially Assistive Robots $80.000
to promote physical activity in youth
CTSA-USC
**Spruijt-Metz.** PI (5%)
3/01/2013-2/28/2015
8. USC mHealth Collaboratory $30,000 (annual)
USC Collaboration Funds $90,000 to date
**Spruijt-Metz**, PI, Swartout, Co-PI
7/1/14-6/30/16 (with possibility of extensions)
9. International Workshop on Dynamic Modeling of $25,000.00
Health Behavior Change and Maintenance: Optimizing Just-In-Time, Adaptive Interventions
NSF (IIS-1217464)
**Spruijt-Metz,** PI (0%)
05/27/2015 - 05/26/2016
10. SCH:INT: Collaborative Research: Monitoring and $1,146,080

Modeling Family Eating Dynamics: Reducing

Obesity without Focusing on Diet and Activity

NSF Smart and Connected Health (IIS-1521740)

**Spruijt-Metz D**, PI

09/01/2015-08/31/2020

1. The Visionary Precision Medicine Initiative $120,000

Cohort Program (PMI-CP)

NIH 1U24OD23176-01

Topol, **Spruit-Metz D**, Subcontract PI

07/06/2017- 04/30/2021

 Co-Principal Investigator (Multiple PI’s)

1. Sexual abuse of adolescent girls in urban Nigeria. $149,876
Erinosho**,** Osotimehin, Weigrod, **Spruijt-Metz**, Co-PI (50%)
NIRP (Netherlands-Israel Development Research Program)
1998-2002
2. Best-practice models for faith-based initiatives serving $25,000 homeless and runaway youth in Los Angeles County.
Ferguson, PI, Miller, **Spruijt-Metz**, Co-PI (2%)
Urban Initiative
2003-2004
3. Innovative programs servicing homeless and street- $35,000 living children around the world: A comparative study of Mumbai, Nairobi and Los Angeles.
Ferguson, PI, Miller, **Spruijt-Metz**, Co-PI (2%)
Larson Foundation
2004 –2005
4. Innovative programs servicing homeless and street-living $40,000
children around the world: A compilation of best-practice models from Los Angeles, Mumbai, India and Nairobi, Kenya.
Urban Initiative
Ferguson, PI, **Spruijt-Metz**, Co-PI (2%)
2004 – 2005
5. Prospective analysis of obesity and depressive symptoms $30,769
in Asian and Hispanic adolescents.
Xie, PI, **Spruijt-Metz,** Co-PI and faculty mentor
Larson Foundation
2006 – 2007
6. Entertainment-Education to Reduce Obesity $50,000
in At-Risk Minority Youth
Kagan J, **Spruijt-Metz, D** (Co-PIs)
Zumberge Foundation
2010-2011
7. Patient point-of-view: Understanding how Virtual mHealth Coaches can best serve the needs of childhood and adolescent cancer survivors ($120K in the form of two $60K pilot grants)
USC Cancer Center of Excellence
**Spruijt-Metz**, Swartout, Freyer, MPIs
2016-2018
8. Operationalizing Behavioral Theory for mHealth: $504,502

Dynamics, Context, and Personalization

NIH U01CA229445

**Spruijt-Metz D**, Corresponding MPI, Klasnja & Marlin, MPIs

09/01/2018- 08/31/2022

1. Function and Emotion in Everyday Life $810,109
with Type 1 Diabetes: FEEL -T1D
NIH R01DK121298
Pyatak, Corresponding MPI, **Spruijt-Metz**, Gonzalez, MPIs
04/01/2019-3/30/2023
2. Cultural Stress, Stress Response, and Substance Use $724,333
among Hispanic Adolescents
NIH R01DA052079
Schwartz, Corresponding MPI, **Spruijt-Metz**, Unger, MPIs
01/04/2019-31/03/2023
3. Southern California Center for Chronic Health Disparities
in Latino Families and Children, Investigator Development Core $911,254
P50 MD017344
Goran, Center PI, **Spruijt-Metz,** Core Lead
24/09/2021-30/06/2026

Co-Investigator

1. Understanding and preventing the decline in physical $47,087 activity in adolescent girls.
Goran, PI, **Spruijt-Metz**, Co-Investigator (50%)
Wright Foundation
2000-2002
2. STOPP Diabetes $96,000

(multi-center trial) (subcontract)
Cooper, PI, **Spruijt-Metz**, Co-Investigator (20%)
NIH/NIDDK
2001-2006

1. Preventing obesity through playground utilization. $25,000

Funded by the Zumberge Fund.
Reynolds, PI, **Spruijt-Metz**, Co-Investigator
2003-2004

1. Neighborhood predictors of class I urban trail use. $300,000

Robert Woods Johnson Foundation (RWJ)

 Reynolds, PI, **Spruijt-Metz,** Co-Investigator (20%)

 2003-2005

1. TTURC: Genes, environment and tobacco use across cultures. $5,824,288
Johnson, PI, **Spruijt-Metz**, Co-Investigator (7%)
NIDA 2 P50 CA84735-06 (Johnson)

2004-2009

1. Guided imagery intervention for obese Latino adolescents. $20,000
Weigensberg, PI, **Spruijt-Metz**, Co-Investigator
CReFF (GCRC Clinical Research Feasibility Fund program)

 2005-2006

1. Intra-abdominal fat and risk of disease in adolescents. $3,052,785

 Goran, PI, **Spruijt-Metz,** Co-Investigator (10%)

 NIDDK (NIH) R01-HD/HL 33064 (Goran)

 2005-2009

1. Combining strength and cardiovascular exercise Yr. 1 – $35,000

(Circuit Training) to Reduce Obesity and Associated Disease
Risk in Overweight Latino Youth

 Davis, PI, **Spruijt-Metz**, faculty mentor

 TREC Pilot Study Program NCI

 2006-2007

1. Functional brain responses to a model of sensory- Yr. 1 - $25,000 specific satiety in normal weight and overweight adolescent girls.

 Salter Venzon, PI, **Spruijt-Metz,** Co-Investigator

 TREC Pilot Study Program NCI

 2006-2007

1. Social network influences on diet and physical activity. Yr. 1 – $50,000

 Valente, PI, **Spruijt-Metz**, Co-Investigator (5%)

TREC Pilot Study Program NCI

2006-2007

1. Guided imagery intervention for obese adolescents. Directs – $400,000

Weigensberg, PI, **Spruijt-Metz**, Co-Investigator (20%)

 NIH-NCCAM

2006-2008

1. Development and testing of a 1 year maintenance. $175,000
Intervention to Reduce Obesity and Type 2 Diabetes in
Latino and African American Adolescents
Davis, PI, **Spruijt-Metz**, Co-Investigator (mentor)
The Dr. Robert C. Atkins Foundation
2006-2010
2. Circuit training and motivational interviewing to reduce Directs- $470,875
type 2 diabetes in youth
Davis, PI, **Spruijt-Metz**, Co-Mentor
NIDDK (K01DK078858)
2007-2011
3. Circuit Training to Lower Total directs: $244,500
Breast Cancer Risk in Latina Teens
Davis, PI. **Spruijt-Metz,** Co-Mentor
California Breast Cancer Research Program (13IB-0065)
2007-2009
4. Translational Research: Applying drug prevention Total directs $1,996,817

to obesity prevention.
NIDA R01 HD052107-01A1: Response to PA-06-415

Pentz, PI, **Spruijt-Metz**, Co-Investigator(5%)

2006-2011

1. Translation of a novel resistance training intervention to a Yr. 1 – $35,000 home environment for overweight Hispanic youth.

 Kelly, PI, Goran, **Spruijt-Metz**, co-faculty mentor

 TREC Pilot Study Program NCI

2007-2008

1. Drug Abuse Prevention for Total Directs $2,217,677

High Risk Emerging Adults

NIH/NIDA

1 R01 DA020138-01
Sussman, PI, **Spruijt-Metz,** Co-Investigator (25%)
2007-2013

1. Effects of a Smart Growth Community on Total Directs: $2,634,092
prevention of family obesity risk.
NCI CA123243-01
Pentz, PI, **Spruijt-Metz**, Co-Investigator(5%)04/01/2008-03/31/2013
2. Effectiveness of Social Mobile Networked Games Total Directs: $178,115
in Promoting Active Lifestyles for Wellness
Robert Wood Johnson, Response to Health Games Research Funding Opportunity
Gotsis, Valente Co-Principle Investigators, **Spruijt-Metz,** Co-Investigator
05/01/08 -- 04/30/09
3. Mobile Metabolic Health Monitoring Network Total Directs: $56,584 Qualcomm
Narayanan, Annavaram, Mitra, **Spruijt-Metz**, Co-Investigator
07/15/08-12/15/08
4. Investigating Physical Activity Decision-Making $133,919
in Real-Time
ACS MRSGT-10012-01-CPPB
Dunton, PI, **Spruijt-Metz**, Mentor
1/01/10 – 12/31/14
5. Built Environment and Behavioral Pathways
for Obesity-Related Bio-markers in Urban Hispanic Youth
Robert Wood Johnson Foundation Dissertation Award
Hseih, PI, **Spruijt-Metz**, Co-I and Mentor
6. Contexts of smoking among Korean American emerging adults.
Zumberge Individual Research Grant
Huh, PI, **Spruijt-Metz Co-I**
07/01/2012-06/30/2013
7. Just-in-Time,” Adaptive Mobile Cessation for $729,000
Young Korean American Adults. American Cancer Society, Mentored Research Scholar Grant.
Huh, PI, **Spruijt-Metz,** Mentor
07/01/2013-06/30/2018
8. Cessation and Environmental Smoking among $135,000
Korean American Young Adults.
TRDRP 19-FT-0089,
Huh, PI, **Spruijt-Metz,** Mentor
07/2010-06/2013
9. Fighting Obesity among Pantry Clients with Mobile $1,847,638
Phones and Message Tailoring
USDA
Clarke, PI, **Spruijt-Metz,** Co-I
01/01/2012 - 12/31/2015
10. Socially Assistive Robots: $2,625,000
An NSF Expedition in Computing
NSF
Mataric, PI, **Spruijt-Metz,** Co-I
04/01/2011 - 03/30/2016
11. Fostering Engagement, Motivation and $588,973
Diligence in STEM learning
TATRC (DOD)
Lane, PI, **Spruijt-Metz, D**, Co-I
07/01/2012-12/14/2014
12. Partners for Strong, Healthy Families (PSHF) $250,000
NIH R24 MD007978-01
Bluthenthal PI, **Spruijt-Metz,** Co-I
01/01/2013 – 12/31/2015
13. USC Integrative Pediatrics: preventing and $2,205,000
treating obesity in Latino Youth
NCCAM 1RO1AT008330
Weigensberg, PI, **Spruijt-Metz D** Co-I
09/30/2013- 07/31/2018
14. All of Us – Technology to Empower Changes
in Health (TECH) Network Participant Technologies Center
PI Steinhubl (Scripps), Spruijt-Metz PI of USC Subaward
15. Clinical and Translational Science Institute (CTSI) $36,000,000

NIH

Buchanan, **Spruijt-Metz D**, Co-I

07/01/2016-06/30/2021

1. Internet Panel Toward Next Generation Data $4,591,947
on Health and Life Changes at Older Ages
NIA
Kapteyn, PI, **Spruijt-Metz D**, Co-I
07/01/2017-6/30/2022

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111. Domin A, **Spruijt-Metz D**, Theisen D, Ouzzahra Y, Vögele C. Smartphone-Based Interventions for Physical Activity Promotion: Scoping Review of the Evidence Over the Last 10 years. *JMIR MHealth Uhealth. 2021;9(7):e24308*
112. Bell, B. M, **Spruijt-Metz D**, Naya C. H, Lane C. J, Fred Wen C. K, Davis J. N, Weigensberg M. J. The mediating role of emotional eating in the relationship between perceived stress and dietary intake quality in Hispanic/Latino adolescents. *Eating Behaviors*. 2021; 42
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115. De La Torre S, **Spruijt-Metz D**, Farias AJ. Associations Among Wearable Activity Tracker Use, Exercise Motivation, and Physical Activity in a Cohort of Cancer Survivors: Secondary Data Analysis of the Health Information National Trends Survey. *JMIR Cancer* 2021;7(2):e24828
116. De La Torre, S. A, **Spruijt-Metz, D.,** Farias, AJ. (2021) Cancer Survivor’s Health Competence Mediates the Association Between Wearable Activity Tracker Use and Self-Rated Health: HINTS Data Analysis. In-press. University of Southern California.
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118. De La Torre S, Spruijt-Metz D, Farias AJ. Survivors’ health competence mediates the association between wearable activity tracker use and self-rated health: HINTS analysis. Journal of Cancer Survivorship. 2022:1-11.
119. Spruijt-Metz D, Marlin BM, Pavel M, Rivera DE, Hekler E, De La Torre S, et al. Advancing Behavioral Intervention and Theory Development for Mobile Health: The HeartSteps II Protocol. Int J Environ Res Public Health. 2022;19(4).
120. Taylor JC, Allman-Farinelli M, Chen J, Gauglitz JM, Hamideh D, Jankowska MM, et al. Perspective: A Framework for Addressing Dynamic Food Consumption Processes. Advances in Nutrition. 2022
121. Tung K, De La Torre S, Mistiri ME, De Braganca RB, Hekler E, Pavel M, et al. BayesLDM: A Domain-Specific Language for Probabilistic Modeling of Longitudinal Data. arXiv preprint arXiv:220905581. 2022
122. Weigensberg MJ, Wen CKF, Spruijt-Metz D, Lane CJ. Effects of Group-delivered Stress-reduction Guided Imagery on Salivary Cortisol, Salivary Amylase, and Stress Mood in Urban, Predominantly Latino Adolescents. Global Advances in Health and Medicine. 2022;11:21649561211067443.
123. Bell BM, Alam R, Mondol AS, Ma M, Emi IA, Preum SM, et al. Validity and Feasibility of the Monitoring and Modeling Family Eating Dynamics System to Automatically Detect In-field Family Eating Behavior: Observational Study. JMIR mHealth and uHealth. 2022;10(2):e30211.
124. Gonzalez Js, Spruijt-Metz D, Schneider S, Peters Al, Crandall Jp, Crespo-Ramos G, et al. 279-OR: Self-Efficacy, Diabetes Distress, Self-Care, and Blood Glucose: Within-Person Pathways in Adults with T1D. Diabetes. 2022;71(Supplement\_1).
125. Pyatak E, Spruijt-Metz D, Schneider S, Crandall Jp, Peters Al, Jin H, et al. 278-OR: ADA Presidents' Select Abstract: Impact of Overnight Blood Glucose on Next-Day Functioning in T1D. Diabetes. 2022;71(Supplement\_1).
126. Wen, Fred CK, Schneider S, Weigensberg MJ, Weerman B, Spruijt-Metz D. Accuracy of a Photo-based Smartphone Application to Assess Salivary Cortisol Sampling Time in Adolescents. Field Methods. 2022:1525822X221141226.

**INVITED LECTURES**

1. International Workshop: Carbohydrates in infant nutrition and dental health.

 Results of the Workshop were published in: Carbohydrates in Infant Nutrition and Dental Health (ME Curzon, JM Diehl, R Ghraf, MJ Lentze MJ, Eds)

 Urban & Vogel: Munich, Germany, 1995.

 Milupa Company, Darmstadt, Germany, November 1994.

1. Health and health behavior of Dutch adolescents.

 Southern Methodist University, Department of Psychology

 Dallas, TX, January 1995.

1. Qualitative research methods and intervention.

 University of Amsterdam, Academic Medical Center, Department of Medical Psychology

 Amersterdam, The Netherlands, April 1996.

1. Using the Theory of Salient Meanings of Behavior for intervention andhealth
education.

 Meeting of the Society for Nutritional Education, University of Maastricht, Faculty of Health Sciences, Department of Health Education
 Maastricht, The Netherlands, May 1996.

1. Qualitative research methods: Focus group interview techniques.

 University of Amsterdam, Faculty of Psychology, Department of Psychometrics and Research Methods
 Amsterdam, The Netherlands, September 1996.

1. Salient meanings of behavior and eating habits in adolescence.

 Workshop ‘Nutrition Education for Children and Adolescents,’ University of Maastricht, Faculty of Health Sciences, Department of Health Education
 Maastricht, The Netherlands, March 1997.

1. Using nested models in Multi-sample model testing.
Conference ‘Structural Modeling’, organized by the Department of Epidemiology and
Biostatistics and the Department of Medical Psychology of the Vrije Universiteit
Amsterdam, The Netherlands, May 1997.
2. Nutrition education for adolescents: The meaning of behavior.
As part of the ongoing training of the GGD Pediatricians in greater Amsterdam:
Amsterdam, The Netherlands, November 1997.
3. Salient meanings of health-related behavior.
The 15th Wilhelmina Rouwenhorst lecture

The Netherlands Institute of Mental Health and Addiction
Utrecht, The Netherlands, November 1997.

1. Research methodology, doing archival research, elements of cross-cultural research, focus group interview techniques.

 Social Sciences for Reproductive Health Network/NIRP Workshop on Sexual Abuse of Adolescent Girls in Urban Nigeria
 Ibadan, Nigeria, March 1999.

1. Ask the experts

 Lecture series on helping adolescents with special needs

 Bureau of Jewish Education

 Los Angeles, CA, February 2000.

1. Everyday health-related behavior in adolescence: A Theory of Meanings of Behavior. University of Utrecht

 Utrecht, The Netherlands, March 2001.

1. Research methods and future directions.

 Second International Meeting for the Project: Sexual Abuse of Adolescent Girls in Urban Nigeria

 Amsterdam, The Netherlands, March 2001.

1. Writing up qualitative data.

 Third International Meeting for the Project: Sexual Abuse of Adolescent Girls in Urban Nigeria

 Amsterdam, The Netherlands, March 2003.

1. Meanings of adolescent health-related behaviors.
University of Torino
Torino, Italy, November 2004.
2. Physical Activity, Obesity and Cancer.
Food for Thought Summit (sponsored by Coalition for Community Heath, NCI, others)
Los Angeles, CA, April 17, 2007.
3. The utility of behavioral theories in obesity and cancer prevention and treatment research.
Transdisciplinary Research on Cancer and Energetics Centers Scientific Meeting
May 1, 2007.
4. Pediatric Obesity Research: A Transdisciplinary Approach.
European Association for Research on Adolescence International Select Doctoral Student Summer School
Torino, Italy, May 4-7, 2008.
5. The utility of behavioral theories in obesity and cancer prevention and treatment research.
Cancer Prevention Center

Turino, Italy, May 7, 2008.

1. Towards a Transdisciplinary Theory of Obesity-Related Behavior in Youth and Adolescence
Seminar on the role of physical activity and sport in promoting the health and well-being in children and adolescents.
Cuneo, Italy, May 10, 2008.
2. Pediatric Obesity Research: A Transdisciplinary Approach
Cancer Prevention and Control Colloquia Series, National Cancer Institute (NCI)
Washington, DC, May 14, 2008.
3. Developing a funded research program: 10 years as a researcher in the USA.
Nutrition and Wellness: Research Grant Workshop
California State University Fullerton, CA, May 19, 2008.
4. Pediatric Obesity Research: A Transdisciplinary Approach.
Radboud University Nijmegen
Nijmegen, The Netherlands, August 14, 2008.
5. Pediatric obesity research: A transdisciplinary approach.
Invited speaker, 7th Annual American Association for Cancer Research International Conference on Frontiers in Cancer Research
Washington DC, November 16-19, 2008.
6. Wanting Our Cake and Eating It Too: A Decade of Pediatric Obesity Research.
The Frances McClelland Institute for Children, Youth and Families
University of Arizona, AZ, March 5 – 6, 2009.
7. Can Interactive Media Games Really Increase Physical Activity and Reduce Overweight and Obesity in Children?
5th biennial Child Obesity Conference
Los Angeles, CA, June 9-12, 2009.
8. Influences of puberty and stress on pediatric health
International Colloquium on Pubertal Development, Stress and Health
France, Chateau de la Bretesche, June 28 – July 1, 2009.
9. Understanding shifts in health-related behavior in puberty: A transdisciplinary approach
Keynote Speaker, Society for Adolescent Research Bi-annual meeting
Philadelphia, March 11-13, 2010.
10. KNOWME Networks.
National Institutes of Health - mHealth Workshop: Reducing Barriers to Mobile Technology Usage in Behavioral and Social Sciences Research
Washington, DC, June 7-8, 2010.
11. Chair and Discussant Exercise Physiology Panel.
University of Illinois at Chicago Rehabilitation and Engineering Research Center

Interactive Exercise Technologies and Exercise Physiology for People with Disabilities: Second State of the Science Conference
Arlington, VA, October 14-15, 2010.

1. Ethical Issues in Research Using Mobile Health Devices.
PRIM&R Advancing Ethical Research Practices
San Diego, CA, December 6-8, 2010.
2. Childhood obesity in at-risk minority populations: A transdisciplinary approach.
Invited Lecture, University of Nebraska Medical Center, College of Public Health
Omaha, NE, March 2, 2011.
3. Transdisciplinary Approaches to Treating and Preventing Childhood Obesity.
Congressional Briefing hosted by the National Hispanic Medical Association
Washington, DC, October 2011.
4. Transdisciplinary approaches to treating and preventing childhood obesity.
Clinical and Translational Science Partnership Conference
Pasadena, CA, December 2011.
5. Transdisciplinary Approach to Prevention and Treatment of Childhood Obesity and Prediabetes.
Diabetes Care Network (DCN) meeting
Los Angeles, CA, February 2012.
6. Childhood Obesity: Transdisciplinary Approaches to Reversing the Epidemic.
Grand Rounds, Cincinnati Children’s Hospital
Cincinnati, OH, August 20, 2012.
7. Diabetes Prevention in Youth.
Los Angeles American Diabetes EXPO, Los Angeles Convention Center

Los Angeles, CA, March 2012.

1. Childhood Obesity: From mHealth to metabolic health.
Apple

Cupertino, CA, December 10, 2012.

1. Childhood Obesity: From mHealth to metabolic health
Radboud University

Nijmegen, The Netherlands, January 15, 2013.

1. mHealth & Childhood Obesity: (m)obile health = (m)etabolic health + (m)inority health.
Department of Nutritional Sciences, University of Arizona

Tucson, AZ, January 29, 2013.

1. Challenging Childhood Obesity in Real Time: From (m)Health to (m)etabolic health.
Google

San Jose, CA, March 18, 2013.

1. Challenging Childhood Obesity in Real Time: A Transdisciplinary Approach.
Department of Nutritional Sciences, University of Arizona
Tucson, AZ, March 27, 2013.
2. Navigating the New Waters of Digital Health Research and Institutional Review Boards.
Invited panel discussion (member), 34th Annual Meeting and Scientific Sessions of the Society for Behavioral Medicine

San Francisco, CA, March 20-23, 2013.

1. mHealth & Childhood Obesity: from (m)etabolic health to (m)obile health and back again.
Northwestern University, School of Medicine
Evanston, IL, April 30, 2013.
2. Synopsis of “International Workshop on New Computationally-Enabled Theoretical Models to Support Health Behavior Change and Maintenance”.
National Cancer Institute Science of Research and Technology Branch Big D.A.T.A. (Data And Theory Advancement) Workshop
NIH Main Campus

Bethesda, MD, September 19-20, 2013.

1. mHealth Research, types of data, and analytical approaches (a Bird’s-eye view).
Mobile Data Repository and Analysis Platform (MDRAP) Meeting
Calit2/UCSD, CA, September 18, 2013.
2. Mobile-Health Approaches to Prevent and Treat Childhood Obesity.
Presented at the Pennington Scientific Symposium “Optimal Clinical Management and Treatment of Childhood Obesity and Translation to the Public Health Context”
Baton Rouge, LA, October 27‐29, 2013.
3. Someone to Watch Over Me: Mobile Device Research and the Sense of the Self.
Presenter and Panel Member
PRIM&R 2013 Advancing Ethical Research Conference
Boston, MA, November 7-9, 2013.
4. Internet Research with Minors.
Didactic Session
PRIM&R 2013 Advancing Ethical Research Conference
Boston, MA, November 7-9, 2013.
5. Informed Consent Realities and Possibilities in Internet Research.
Didactic Session
PRIM&R 2013 Advancing Ethical Research Conference
Boston, MA, November 7-9, 2013.
6. Technology and infrastructure for Digital Health.
Panel chair
The Future of Healthcare Delivery, USC Marshall School of Business
Los Angeles, CA, March 7, 2014.
7. Strategies and Applications for the Development of mHealth & Telehealth.
Panelist
iHT2 HIT Summit
San Diego, CA, January 21-22, 2014.
8. Mobile and Connected Approaches to Understanding and Changing Health-Related Behavior in Real Time.
Global mWellness Workshop
University of Southern California

Los Angeles, CA, February 5-7, 2014.

1. mHealth technologies for real-time intervention and behavior change.
Nutrition Seminar Series, Harvard School of Public Health
Cambridge, MA, September 29, 2014.
2. Empirical Research with Pedagogical Agents.
Playa Vista, CA, October 20-22, 2014.
3. What is mHealth?UCLA BRITE Center Scientific Boot Camp 2014
Lake Arrowhead, CA, September 7-10, 2014.
4. Call and response: Translating research into mobile health action.
Presented at the CPHHD/TREC Joint Symposium

Marina Del Rey, CA, May 20, 2014.

1. Using new technologies and ‘big’ data to develop new, computational models of behavior in real time.
Conference on Youth Obesity and Sustainable Innovation of Health IT Platforms

Seoul, South Korea, July 30-31, 2014.

1. mHealth technologies for real-time intervention to prevent and treat childhood obesity.
Conference on Youth Obesity and Sustainable Innovation of Health IT Platforms

Seoul, South Korea, July 30-31, 2014.

1. Back to the Future: Next Generation Sensors for Health.
Presented at the 14th Obesity Week

Boston, MA, November 2-7, 2014.

1. Report on the International workshop for Computationally-Enabled Theoretical Models. Smart and Connected Health (SCH) Investigator meeting

Arlington, VA, August 6-7, 2014.

1. International Workshop on New Computationally-Enabled Theoretical Models to Support Health Behavior Change and Maintenance.

Association for Psychological Science

San Francisco, CA, May 24-25, 2014.

1. Web 2.0 Technologies in the Assessment and Management of Child and Adolescent Obesity.
Presented at the 22nd European Congress on Obesity

Prague, Czech Republic, May 6-9, 2015.

1. How can biometrics enhance photo-sharing social networks? Biogram and how to leverage Apple’s ResearchKit.
Presented at the BodyComputing Conference 9.0

University of Southern California

Los Angeles, CA, October 9, 2015.

1. mHealth in Obesity Treatment/Prevention.
Transforming Medicine: Evidence-Driven mHealth

Scripps Translational Science Institute

La Jolla, CA, September 30 - October 2, 2015.

1. Dr. CPU: Is Machine Learning the Final Frontier?
Panel discussion on machine learning and medicine

Center for Innovation at CHLA

Los Angeles, CA, April 29, 2015.

1. Guiding Behavior Systems in Real Time.
Presented at the Seminar on Life-long health behavior-change technologies

Schloss Dagstuhl

Wadern, Germany, June 21-26, 2015.

1. Computationally Enabled Theoretical Models to Support Health Behavior Change and Maintenance.

Presented at the Amplifying Discovery through Shared Resources and Defining And Measuring Health Impact in SCH Research Conference

Arlington, VA, June 30-July 1, 2015.

1. Reducing Health Disparities: mHealth Technologies in Children and Adolescents.
The President’s Precision Medicine Initiative Workshop

Santa Clara, CA, July 27-28, 2015.

1. Monitoring, Measuring, Modeling and Changing Behavior in Real Time.
36th Annual Meeting & Scientific Sessions of the Society for Behavioral Medicine

San Antonio, TX, April 22–25, 2015.

1. Reducing Health Disparities with Real-Time Adaptive mHealth Interventions.
36th Annual Meeting & Scientific Sessions of the Society for Behavioral Medicine

San Antonio, TX, April 22–25, 2015.

1. Discussant for Panel: Developing Digitally-Mediated Interventions for Preventing/Treating Obesity in Pediatric Populations.
36th Annual Meeting & Scientific Sessions of the Society for Behavioral Medicine

San Antonio, TX, April 22–25, 2015.

1. Monitoring, Modeling, Modifying and Maintaining Health-related Behaviors in a Digital World.
Big Data and Human Behavior Symposium

University of Southern California

Los Angeles, CA, March 11, 2016.

1. Donna Spruijt-Metz, Bill Riley, Jennifer Linde, Ryan Rhodes.
Debate: Social Cognitive Theories No Longer Provide a Comprehensive Approach for Understanding and Improving Health-Related Behaviors.
37th Annual Meeting, Society for Behavioral Medicine

Washington, DC, March 30-April 2, 2016.

1. mHealth4: Monitoring, modeling, modifying and maintaining health-related behavior in a digital world.
Keynote Speaker mHealth@Duke Conference

Duke University

Durham, NC, April 19-20, 2016.

1. mHealth4:Monitoring, modelling, modifying and maintaining health-related behaviors in a digital world
Keynote speaker for the Second Behaviour Change Conference, Digital Health and Well-Being

London, England, February 23-25, 2016.

1. mHealth4:Monitoring, modelling, modifying and maintaining health-related behaviors in a digital world.
Keynote speaker for the German Society for Behavioral Medicine

Mainz, Germany, February 26-27, 2016.

1. mHealth advances in the fight against obesity: Implications for the Americas.
Promoting Health Equity and Transnational Partnerships In Cancer Prevention and Control in the Americas, Strategic Planning Summit

Panama City, Panama, October 7-8, 2016.

1. IoT, social media, and personal sensing: Moving from ‘cold’ computational models
to ‘warm’ computational models of dynamic, highly contextualized & socially networked individual behavior.
Presented at the CCC Visioning Meeting: Discovery and Innovation in Smart and Pervasive Health
Washington, DC, December 5-6, 2016.
2. Advances & Challenges in Measuring Dietary Intake and Physical Activity in Youth.Presented at the ILSI Tech Summit: Innovative Tools for Assessing Diet & Physical Activity for Health Promotion
University of California, San Diego

San Diego, CA, November 30 - December 1, 2016.

1. mHealth3: Monitoring, modelling and modifying health-related behavior in a digital world. Presented at the 2017 International Congress on Obesity and the Metabolic Syndrome

Seoul, Korea, September 2, 2017.

1. Moving from ‘cold’ to ‘warm’ computational models of individual behavior: Cyberphysical Systems to Understand Food Intake.
Keynote: Presented at Society for Ambulatory Assessment 2017

Luxembourg Just-In-Time, Adaptive Interventions to prevent and treat pediatric obesity

Luxembourg City, Luxembourg, June 14-15, 2017.

1. Mobile Technologies for Weight Control: What Works, What Doesn’t

Just-In-Time, Adaptive Interventions to prevent and treat pediatric obesity.
NIH Obesity Research Task Force Seminar

Bethesda, MD, June 2017.

1. Moving from ‘cold’ to ‘warm’ computational models of individual behavior in context.
Working Group on Interactive Systems in Healthcare at AMIA

Washington DC, November 2017.

1. Monitoring, Modelling, Modifying and Maintaining health-related behavior in a digital world.
Mobile and Electronic Health ARC’s 2nd Annual Symposium

Boston University

Boston, MA, November 2017.

1. mHealth3: Monitoring, modeling and modifying health-related behavior in a digital world.
Cedars-Sinai Informatics Lecture Series

Los Angeles, CA, November 14, 2017.

1. Turning the Tide: New Directions in Health Communication.

Mobile and Connected Health Technologies and Interventions

The Lerner Center for Public Health Promotion, Columbia University

New York City, NY, April 27, 2018.

1. Emerging technological approaches for cardiovascular health promotion in children and youth.
Promoting Cardiovascular Health in Early Childhood (0-5 years) and Transitions in Childhood, NHLBI

Bethesda, MD, June 5, 2018.

1. Access to Health: Transcending Location.
University of Southern California Center for Economic and Social Research: The Future of Inequality

Los Angeles, CA, March 14, 2018.

1. Technology-based, Just-In-Time, Adaptive Interventions to Prevent and Treat Obesity.
USC Diabetes & Obesity Research Institute (Dori) 5th Annual Research Symposium

Los Angeles, CA, February 27, 2018.

1. Advancing basic and translational science on reducing health disparities among underserved populations.
Leveraging Health IT to Address Health Disparities: A Leadership Conference NHIT Collaborative with HIMSS18
Las Vegas, NV, March 6-7, 2018.
2. Seminar: Making Digital Health Partnerships Work “Across the Isle”.
Society for Behavioral Medicine
New Orleans, LA, April 11, 2018. 2018
3. Annual Retreat of the USC Neuroscience Graduate Program
Sept 21, 2018, Brandeis-Bardin
4. TILES S3B2-ML: Summer School on Sensor-Based Behavioral Machine Learning
Using multilevel, streaming data to intervene on Health Behavior: What do we mean by “Just-In-Time”?
August 2, 2020 (Virtual)
5. NSF SBE Federal Interagency Conference on Big Data and Social Science:
Modeling Personally Generated Health-Related Data: Dynamic, Temporally Dense, Highly Contextualized —and Messy
October 2, 2020 (Virtual)
6. Can I Provoke You?
NSF Virtual workshop on "Technology, Diet, Eating in Context"
October 10, 2020 (Virtual)
7. Defining the Problem: Understanding Health Behaviors & Preparing to Change Them
Mobile Health Training Institute
May 17, 2021
8. Synergistic Collaboration Among Computing and Health Researchers
Mobile Health Training Institute
June 20, 2021 (Virtual)
9. Modeling Obesity-Related Behavior in Real Time
ICOMES (Korea) September 2,2021 (Virtual)
10. Engagement and Multi-Level Dynamic Modeling of Digital Health Data
IEEE SERVICES 2021, September 8, 2021 (Virtual)
11. Using multilevel, streaming data to intervene on Health Behavior: What do we mean by “Just-In-Time”?
E-INEBRIA WORKSHOP (The Netherlands), 2-17-21 (Virtual)

**ABSTRACTS AND PRESENTATIONS**

1. Kalf JH, **Spruijt‑Metz D**, van Leeuwen E, Dillmann RJM, Broekman JM.

 The influence of specialist's training and practice on the concept of the diagnostic task.

Paper presented at the International Congress 'Perspectives in Geriatric Medicine' Amsterdam, The Netherlands, 1993.

1. Kalf JH, **Spruijt‑Metz D**, van Leeuwen E, Dillmann RJM, Broekman JM.
Pluralism in diagnostic concepts: The influence of specialist's training on diagnostic processes.
Presented at the First World Congress of Medicine and Philosophy

 Paris, France, 1994.

1. **Spruijt‑Metz D**, Hoogstraten J, Broekman JM.
Dutch adolescent health: The meaning of behavior.
Presented at the Third International Congress of Behavioral Medicine

Amsterdam, The Netherlands, 1994.

1. **Spruijt‑Metz D**, Hoogstraten J, Broekman JM.
Adolescent health and health behavior.
Presented at the 13th Biennial Meeting of the ISSBD

Amsterdam, The Netherlands, 1994.

1. **Spruijt‑Metz D**.
Everyday health and risk behaviors in adolescence.
Presented at the First Dutch Conference on Psychology and Health

Rolduc, The Netherlands, 1995.

1. **Spruijt‑Metz D**, Spruijt RJ.
Worries and health in adolescence: A latent variable approach.
Presented at the International conference on conflict and development in adolescence, University of Ghent

**Ghent,** Belgium, 1995.

1. **Spruijt‑Metz D**, Spruijt RJ.
Effectiveness of an adolescent health education program based on the meanings of behavior.
Presented at the 5th Biennial Conference of the European Association for Research on Adolescence

 Liege, Belgium, 1996.

1. **Spruijt-Metz D**.
Using mixed methods in cross-cultural research on adolescent health.

Paper presented at the 24th International Congress of Applied Psychology

 San Francisco, CA, August 9-14, 1998.

1. Erinosho L, Osotimehin B, Nudelman A, **Spruijt-Metz D**.
Sexual abuse of adolescent girls in urban Nigeria.
Paper presented at the International Seminar on Violence and Adolescence

 Jerusalem, Israel, November 16-18, 1999.

1. **Spruijt-Metz D**, van Gageldonk A.
What determines the effectiveness of mass media health campaigns targeting substance abuse in adolescent populations?
Paper presented at the International Seminar on Violence and Adolescence

Jerusalem, Israel, November 16-18, 1999.

1. **Spruijt-Metz D**.
The Theory of Meanings of Behavior.
Paper presented at the 7th Biennial Conference of the European Association for Research on Adolescence

Jena, Germany, May 31-June 4, 2000.

1. Shakib S**, Spruijt-Metz D**, Figueroa-Colon R, Johnson MS, Huang T T-K, Fields DA, Herd SL, Goran MI.

 Aerobic fitness and depressive symptoms in children.
 Paper presented at the North American Association for the Study of Obesity 2000 Annual Conference

 Long Beach, CA, 2000.

1. **Spruijt-Metz D**, Birch LL, Fisher LO, Goran MI.

Mother's child-feeding practices predict adolescents' total fat mass.
 Paper presented at the North American Association for the Study of Obesity 2000 Annual Conference

 Long Beach, CA, 2000.

1. **Spruijt-Metz D**, Rosas P.

Determinants of physical activity in Latina and Caucasian Girls.
 Paper presented at the 9th Annual Meeting of the Society for Prevention Research Washington, DC, May 30 - June 3, 2001.

1. Gageldonk A, **Spruijt-Metz D**.
Theory-based drug prevention: a critical overview.
Paper presented at the 6th Conference on Drug Prevention (VI Jornadas sobre Prevenciónde Drogodependencias)

 Madrid, Spain, June 20-22, 2001.

1. **Spruijt-Metz** D, Jamner M, Cooper D.

Relationship of child-feeding practices to mother’s and daughter’s adiposity.
 Paper presented at the conference on Innovative Approaches to Understanding and Influencing Physical Activity

 Dallas, TX, October 4-6, 2001.

1. **Spruijt-Metz D**, Jamner M, Cooper D.

Development and validation of the Meanings of Exercise scale: Predicting exercise in adolescent females.
Paper presented at the conference on Innovative Approaches to Understanding and Influencing Physical Activity

 Dallas, TX, October 4-6, 2001.

1. **Spruijt-Metz D**, Erinosho OA, Osotimehin BO, Nudelman A, Boley-Cruz T.

Sexual abuse of adolescent girls in urban Nigeria: Data from key informants.
 Paper presented at the 129th Annual Meeting of American Public Health Association Atlanta, GA, Oct 21-25, 2001.

1. Xie B, Liu C, Johnson CA, Li Y, **Spruijt-Metz D**, Gong J, Chou C-P, Xia J, Goran MI, Wang H.

 Weight perception and psychological factors in Chinese adolescents.
 Experimental Biology 2002

 New Orleans, LA, April 20-24, 2002

1. Sun P, Yan L, Unger JB, Dong L, Wang M, Palmer PH, Chou C-P, Guo Q, Gallaher P, **Spruijt-Metz D,** Johnson CA, China Seven Cities Study Consortium

 Social and Non-social Motivations to Smoke in China.
Transcultural Perspectives on Tobacco and Health Promotion

 Alhambra, CA, April 23-24, 2002

1. **Spruijt-Metz D,** Gallaher P, Hsia F, Sun P, CSCS study group.
Meanings of smoking: Why are youth still smoking?
Transcultural Perspectives on Tobacco and Health Promotion

Alhambra, CA, April 23-24, 2002

1. **Spruijt-Metz D,** Schnieder-Jamner M, Cooper D.
Population-specific barriers are related to lower aerobic fitness in girls.49th Annual meeting of the American College of Sports Medicine

St. Louis, MO, May 28-June 1, 2002.

1. **Spruijt-Metz D,** Schnieder-Jamner M, Cooper D.
Population-specific barriers are related to lower aerobic fitness in girls.
Medicine & Science in Sports & Exercise 34:S928, 2002.
2. **Spruijt-Metz D,** Gallaher P, Johnson CA.
Meanings of smoking across cultures.
Ann Behav Med, 25:S178, 2003.
3. Garcia R, Hsia F-N, **Spruijt-Metz** **D**.
Frequency of worship service attendance and personal importance of religion buffer against tobacco and drug use in college populations.
Presented at the Integrating Research on Spirituality and Health and Well-Being Intro Service Delivery: A Research Conference

Washington, DC, April 1-3, 2003.

1. Nguyen-Michel S, Hamilton JE, Unger JB, **Spruijt-Metz D.**
Physical activity is related to lower perceived stress and hassles in college students. Presented at the 6th Annual USC/Norris Cancer Center Graduate Student and Postdoctoral Grand Rounds and Poster Session, University of Southern California, Keck School of Medicine

 Los Angeles, CA, June 10, 2003.

1. **Spruijt-Metz** D, Schneider-Jamner M, Spruijt R, Cooper D.
Changes in physical activity and cardiorespiratory fitness are mediated by changes in meanings of exercise.
Medicine & Science in Sports & Exercise 35:S149, 2003.
2. Hsia F–N, **Spruijt-Metz D**.
The determinants of college smoking.
Presented at the Tobacco-Related Disease Research Program’s Annual Investigator Meeting
San Diego, CA, December 2003.
3. Reynolds K, Wolch J, Fulton W, Weaver S, **Spruijt-Metz D,** Chou C-P, Williamson C.
Neighborhood predictors of urban trail use.
Active Living Research Annual Conference
San Diego, CA, January 30-31, 2004.
4. Nguyen-Michel S, **Spruijt-Metz D**.
Psychosocial and dietary correlates of emotional eating.
1st Annual Department of Preventive Medicine Graduate Poster Session, University of Southern California

 Los Angeles, CA, May 12, 2004.

1. Xie B, Chou CP, **Spruijt-Metz D**, Reynolds K, Clark F, Palmer PH, Gallaher P, Sun P, Guo Q, Johnson CA.
Weight perception in female Chinese adolescents.
1st Preventive Medicine Graduate Student Poster Presentation, University of Southern California

 Los Angeles, CA, May 12, 2004.

1. **Spruijt-Metz** **D**, Gallaher P.
Emotional vs. cognitive models of drug use: Meanings of drug use in college.
18th Biennial meeting of the International Society for the Study of Behavioral Development (ISSBD)
Ghent, Belgium, June 2004.
2. **Spruijt-Metz D,** Spruijt R, Xie B, Chou C-P.
Factorial validity, invariance and generalizability of the Meanings of Exercise Scale (MES)
Annual Scientific Meeting of the North American Association for the Study of Obesity
Las Vegas, NV, November 14 – 18, 2004.
3. Reynolds KD,Wolch J, Fulton W, Byrne J, Jerrett M, Weaver S, **Spruijt-Metz D,** Chou C-P.

 Urban trails as an environmental resource to increase physical activity.

 Invited presentation for the North American Association of Obesity Research

 Las Vegas, NV, November 14-18, 2004.

1. Hsia F–N, **Spruijt-Metz D**. Self-Esteem and cigarette smoking among college students.
Paper presented at the American Public Health Association 132nd Annual Meeting
Washington, DC, November 2004.
2. Davis JN,Ventura EE, Salguero LE, Weigensberg MJ, **Spruijt-Metz D**, Goran MI.

 A novel nutritional approach to reduce risk for type 2 diabetes in overweight Latina adolescents.

 Obes Res 13:A87, 2005.

1. **Spruijt-Metz D,** Reynolds KD,Lindsey G, Troped P.

Development of a multi-site trail use measure.

 Roundtable presentation at the Active Living Research conference

 San Diego, CA, 2005.

1. Reynolds KD, Wolch J, Fulton W, Byrne J, Jerrett M, Weaver S, **Spruijt-Metz D,** Chou C-P.

Research on urban trail environments: Preliminary findings.

Invited presentation for the Active Living Research conference

San Diego, CA, 2005.

1. **Spruijt-Metz D**, Reynolds K, Troped P, Lindsey G, Sallis J.
Development of a modular trail use questionnaire.
Round-Table Discussion (Spruijt-Metz, leader) conducted at the Active Living Research Second Annual Conference
Coronado, CA, February 25-26, 2005.
2. **Spruijt-Metz D,** Lindsey G, Troped P, Reynolds K.
Collaborative development of core trail use measures.
Oral presentation, Active Living Research Second Annual Conference
Coronado, CA, February 25-26, 2005.
3. **Spruijt-Metz D,** Reynolds K, Lindsey G, Troped P, Wolch J, Byrne J, Myles R, Hsieh S, Xie B, Gatto N, Sallis J.
Development of a modular trail use questionnaire.
Poster presentation, Active Living Research Second Annual Conference
Coronado, CA, February 25-26, 2005.
4. Xie B, Chou C-P, **Spruijt-Metz D**, Palmer PH, Sun P, Gallaher P, Guo Q, Johnson CA.
Cigarette smoking is associated with unhealthy patterns of food consumption, physical activity and alcohol drinking in Chinese male adults: China Seven-City Study.

 The 2nd East-West Conference on Tobacco and Alcohol: Culture, Environment, and Genes, University of Southern California

 Alhambra, CA, April 5-6, 2005.

1. Xie B, Chou C, **Spruijt-Metz D**, Reynolds K, Palmer PH, Sun P, Gallaher P, Quo Q, Johnson CA.
Overweight status, weight perception and weight management goals and practices among female Chinese college students.
The 133rd Annual Meeting of the American Public Health Association
Philadelphia, PA, December 10-14, 2005.
2. **Spruijt-Metz D,** Lindsey G.

 Active living research common measures: Parks and trails

Invited Roundtable presentation at the Active Living Research conference

San Diego, CA, 2006.

1. Reynolds K, Wolch J, Byrne J, Weaver S, Chou C-P, Feng B, **Spruijt-Metz D,** Fulton W, Jerret, M.

Trail characteristics as correlates of urban trail use.

 Invited presentation for the Active Living Research conference

San Diego, CA, 2006.

1. Michel S, Unger JB, **Spruijt-Metz D**.

Psychological determinants of emotional eating in adolescents.

Society of Behavioral Medicine Annual Meeting

San Francisco, CA, March 22-25, 2006.

1. **Spruijt-Metz D.**

 Behavioral techniques for promoting healthy lifestyle in children and teens.

 Pediatric Obesity Update from Clinic to Community, University of Southern California

 Los Angeles, CA, April 1, 2006.

1. Wolch J, Reynolds K, **Spruijt-Metz D,** Chou C-P, Jerrett M, Feng B, Fulton W, Byrne J, Weaver S.
Patterns of urban trail use and neighborhood correlates.
International Congress on Physical Activity and Public Health.

 Atlanta, GA, April 17-20, 2006.

1. Ferguson KM, **Spruijt-Metz D.**

Perceptions of faith and outcomes across three cities: FBOs serving street youth in Los Angles, Mumbai, and Nairobi.

Symposium sponsored by USC Center for Religion and Civic Culture’s Faith-Based Community Development and Organizing Working Group, University of Southern California

Los Angeles, CA, April 21, 2006.

1. **Spruijt-Metz D.**

Behavioraltechniques for promoting healthy lifestyles in children and teens.

Invited presentation for the Educational Conference at Providence Saint Joseph Medical Center

 Los Angeles, CA, May 11, 2006.

1. Xie B, Chou C, **Spruijt-Metz D**, Gallaher P, Palmer PH, Sun P, Guo Q, Wu Q, Johnson CA.

Longitudinal analysis on general and central adiposity, socioeconomic status, and cultural variables in Chinese adolescents.

The 14th Annual Meeting of the Society for Prevention Research

San Antonio, TX, May 31-June 2, 2006.

1. Davis JN,Ventura EE, **Spruijt-Metz D**, Shaibi GQ, Weigensberg MJ, Watanabe RM, Goran MI.

 Reductions in added sugar intake improve insulin secretions in Latina Adolescents.

 The 2006 Annual Scientific Meeting of the Obesity Society, NAASO

 Boston, MA, October 20-24, 2006.

1. Xie B, Chou C, **Spruijt-Metz D**, Reynolds K, Palmer PH, Gallaher P, Sun P, Qian G, Johnson CA.

Socio-demographic and economic correlates of overweight status in Chinese adolescents.

The 2006 Annual Scientific Meeting of the Obesity Society, NAASO

Boston, MA, October 20-24, 2006.

1. Weigensberg MJ, Lane CJ, Michel S, White W, Scherrer K, Winners O, Goran MI, **Spruijt-Metz D**.
Stress-reduction Interactive Guided ImagerySM (IGI) acutely lowers salivary cortisol in overweight Latino adolescents.
Presented at the North American Association for the Study of Obesity (NAASO) Scientific Sessions
Boston, MA, October 20-24, 2006.
2. **Spruijt-Metz D**, Chou C-P, Wang L, Byrne J, Wolch J, Jerrett M, Hsieh S, Myles S, Hsu Y-W, Reynolds K.
Validation of the ROUTES Self-Administered Trail-Use Questionnaire.
Presented at the Active Living Research Conference
Coronado, CA, February 22-24, 2007.
3. **Spruijt-Metz D**, Lee R, Mumford K.
Measurement of Parks and Trails Access, Characteristics and Use: Moving the Field Forward.
Presented at the Active Living Research Conference
Coronado, CA, February 22-24, 2007.
4. Mumford K, Lee R, **Spruijt-Metz D.**

Moving to the next level: Applying trails and parks research to policy.

Presented at the Active Living Research Conference
Coronado, CA, February 22-24, 2007.

1. Hsu Y-W, Nguyen-Rodriguez ST, Chou C-P, Lane CJ, **Spruijt-Metz D**.
Physical activity in Asian/Pacific Islander and Latina middle school girls.

Poster presentation, 4th TREC Centers Scientific Meeting

Pasadena, CA, May 1, 2007.

1. Belcher BR, Anderson D, Hsu Y-W, Mckenzie T, **Spruijt-Metz D**.

Incorporating the effect of non-exercise activity thermogenesis (NEAT) in an observational measure of physical activity

Poster presentation, 4th TREC Centers Scientific Meeting

Pasadena, CA, May 1, 2007.

1. Valente T, **Spruijt-Metz D**, Chou C-P.

Social network influences on weight and physical activity.

Poster presentation, 4th TREC Centers Scientific Meeting

Pasadena, CA, May 1, 2007.

1. **Spruijt-Metz D**, Belcher B, Davis J, Anderson D , Lane CL, Chou C-P, Salter D, Hsu Y-W, Neuhouser M, Richey JM, Mckenzie T, Weigensberg MJ.

Acute effects of high sugar/low fiber (HS) versus low sugar/high fiber (LS) breakfasts on glucose, leptin and physical activity in preadolescent overweight Latinas.

Poster presentation, 2007 Obesity Society Annual Scientific Meeting

New Orleans, LA, October 20-24, 2007.

1. Kelly L, Davis J, Lane CJ, Weigensberg MJ, **Spruijt-Metz D**, Goran M.

The effects of a randomized controlled trial of nutrition education and strength training on insulin sensitivity in overweight Latino boys.

Poster presentation, 2007 Obesity Society Annual Scientific Meeting

New Orleans, LA, October 20-24, 2007.

1. Davis J, Kelly L, Lane CJ, **Spruijt-Metz D**, Weigensberg MJ, Goran M.

The effects of nutrition education with and without strength training on adiposity in overweight Latino adolescents.

Poster presentation, 2007 Obesity Society Annual Scientific Meeting

New Orleans, LA, October 20-24, 2007.

1. Davis J, Ventura E, Alexander K, Kelly L, Toledo-Corral C, Byrd-Williams C, Roberts CK, Weigensberg MJ, **Spruijt-Metz D**, Goran M.

The relation of sugar intake versus glycemic index on adiposity and insulin dynamics in Latino youth.

Poster presentation, 2007 Obesity Society Annual Scientific Meeting

New Orleans, LA, October 20-24, 2007.

1. Hsu Y-W, Nguyen-Rodriguez ST, Chou C-P, Lane CJ, **Spruijt-Metz D**.

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New Orleans, LA, October 20-24, 2007.

1. Belcher BR, Anderson D, Hsu Y-W, Mckenzie T, **Spruijt-Metz D**.

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Poster presentation, 2007 Obesity Society Annual Scientific Meeting

New Orleans, LA, October 20-24, 2007.

1. Valente T, Nguyen-Rodriguez, S., Chou, C-P, **Spruijt-Metz D.**Social network influences on weight and physical activity.
Poster presentation, 2007 Obesity Society Annual Scientific Meeting
New Orleans, LA, October 20-24, 2007.
2. Kamal S, Law C, Hseih S, Lum J, Sussman S, Gallaher P, **Spruijt-Metz D.**
Understanding meanings of alcohol use in college populations.
Annals Beh. Med. S132-S132, 2008
3. Wolch J, Tatalovich Z, **Spruijt-Metz D**, Byrne J, Jerrett M, Chou C-P, Weaver S, Wang L, Fulton W, Reynolds K.

Proximity and perceived safety as determinants of urban trail use: Findings from a three-city study.

Association for American Geographers

Boston, MA, April 15-19, 2008.

1. Reynolds K, **Spruijt-Metz D**, Wolch J, Chou C-P, Jerrett M, Byrne J, Weaver S, Fulton W, Wang L.

Relationship of urban trail use and the built environment with MVPA.

American Public Health Association 135th Annual Meeting

Washington, DC, November 3-7, 2008.

1. Reynolds KD, **Spruijt-Metz D**, Wolch J, Chou C-P, Jerrett M, Byrne J, Weaver S, Fulton W, Wang L.

Urban trail use and the built environment as determinants of physical activity.

Association for American Geographers

Boston, MA, April 15-19, 2008.

1. Xie B, Unger JB, **Spruijt-Metz D**, Chou C-P, Johnson CA.

Combined effects of acculturation and timing of menarche on overweight, depressive symptoms and smoking experimentation in female Hispanic adolescents.

Society for Prevention Research 16th Annual Meeting

San Francisco, CA, May 28 - 30, 2008.

1. Dunton GF, Reynolds KD, **Spruijt-Metz D**, Wolch J, Chou C-P, Jerrett M, Byrne J, Weaver S.
Reasons for urban trail use predict trail-related physical activity.
American Public Health Association 135th Annual Meeting
Washington, DC, November 3-7, 2008.
2. Weigensberg MJ, **Spruijt-Metz D,** Goran MI.
Blunted awakening cortisol response is associated with features of the metabolic syndrome in overweight Latino youth.
American Diabetes Association 68th Scientific Meeting
San Francisco, CA, June 6 - 10, 2008.
3. **Spruijt-Metz D**, McClain AD, Nguyen-Rodriguez ST, Belcher BR, Hsu YW, Weigensberg MJ.
Insulin resistance and declining physical activity levels in African American and Latina girls.
The XIth EARA (European Association for Research on Adolescence) Conference
Turin, Italy, May 7-10, 2008.
4. Valente, TW, Chou, C-P, Kayo, F, **Spruijt-Metz, D**.
Fat and friends: Social network influences on adolescent obesity.
The XIth EARA (European Association for Research on Adolescence) Conference
Turin, Italy, May 7-10, 2008.
5. Pentz MA, Riggs NR, Greenberg MT, **Spruijt-Metz D**, Reynolds KD.
PATHWAYS: A randomized study of a school-based curriculum for childhood obesity prevention.
Society for Prevention Research
San Francisco, CA, May 28-30, 2008.
6. **Spruijt-Metz D**, Hsu Y-W, Belcher BR, McClain AD, Nguyen-Rodriguez ST, Davis JN, Lane CJ, Ader M, Goran MI, Weigensberg MJ.
Differences in Physical Inactivity between Tanner Stages 1 and 2 in Latina (L) and African American (AA) Girls: Relationships to Insulin secretion and sensitivity, body composition and negative life events.
The Obesity Society Annual Meeting
Phoenix, AZ, October 3-7, 2008.
7. Weigensberg MJ, Avila Q, Konersman K, Hammer M, Hill M, Padilla A, Enriquez F, Sternbach D, **Spruijt-Metz D.**
"IMAGINE HEALTH": Development and acceptability of a novel lifestyle (LS) intervention for overweight Latino adolescents using principles of Intuitive Eating (IE) and Interactive Guided ImagerySM (IGI).
The Obesity Society Annual Meeting
Phoenix, AZ, October 3-7, 2008.
8. Byrd-Williams C, Belcher BR, Ventura EE, Davis JN, **Spruijt-Metz D**, Lane CJ, Toledo-Corral CM, Goran MI.
Effect of nutrition and strength training intervention on habitual physical activity in overweight Latino adolescents.
The Obesity Society Annual Meeting
Phoenix, AZ, October 3-7, 2008.
9. Belcher BR, **Spruijt-Metz D**, Unger JB, Chou C-P, Nguyen-Rodriguez ST, Hsu Y-W, McClain AD.
Exploring the relationship among worries, emotional eating (EE), BMI percentile (BMI %) and weight-related concerns (WC) in girls.
The Obesity Society Annual Meeting
Phoenix, AZ, October 3-7, 2008.
10. Ventura EE, Davis JN, Byrd-Williams C, Alexander KE, McClain AD, Lane CJ, **Spruijt-Metz D**, Weigensberg MJ, Goran MI.
Improvements in insulin secretion and visceral fat in response to low-sugar, high-fiber dietary intervention in overweight Latino adolescents.
The Obesity Society Annual Meeting
Phoenix, AZ, October 3-7, 2008.
11. Hsu Y-W, Nguyen-Rodriguez ST, Chou C-P, McClain AD, Belcher BR, **Spruijt-Metz D**.
Influences of social support, perceived barriers, and negative meanings of physical activity on physical activity in middle school students.
The Obesity Society Annual Meeting
Phoenix, AZ, October 3-7, 2008.
12. McClain AD, Nguyen-Rodriguez ST, **Spruijt-Metz D**, Belcher BR, Hsu Y-W, Ventura EE, Lane CJ, Davis JN, Goran MI.
Motivation to eat fruits and vegetables as a predictor of sugar intake in Latino adolescent girls.
The Obesity Society Annual Meeting
Phoenix, AZ, October 3-7, 2008.
13. Davis JN, Tung A, **Spruijt-Metz D**, Salva SC, Ventura EE, Byrd-Williams C, Alexander KE, Lane CJ, Weigensberg MJ, Goran MI.
Randomized control trial of circuit training to improve risk factors for type 2 diabetes in overweight Latino girls.
The Obesity Society Annual Meeting
Phoenix, AZ, October 3-7, 2008.
14. Annavaram M, Medvidovic N, Mitra U, Narayanan S, Sukhatme G, Meng Z, Qiu S, Kumar R, Thatte G, **Spruijt-Metz D**.
Multimodal sensing for pediatric obesity applications.
Proceedings of International Workshop on Urban, Community, and Social Applications of Networked Sensing Systems
Raleigh, NC, November 2008.
15. Thatte G, Rozgic V, Li M, Ghosh S, Mitra U, Narayanan S, Annavaram M, **Spruijt-Metz D**.
Optimal time-resource allocation for activity-detection via multimodal sensing.
Proceedings of the Fourth International Conference on Body Area Networks
Los Angeles, CA, April 2009.
16. Pentz, MA, Riggs NR, Greenberg MT, **Spruijt-Metz D**, Reynolds KD.
PATHWAYS: A randomized study of a school-based curriculum for childhood obesity prevention.
Society for Prevention Research 2009 Annual Conference
San Francisco, CA, May 26-29, 2009.
17. Nguyen-Rodriguez ST, **Spruijt-Metz D**.
Anxiety mediates the relationship between sleep onset latency and emotional eating in minority children.
23rd Annual Meeting of the Associated Professional Sleep Societies, LLC
Seattle, WA, June 6-11, 2009.
18. Hsu YW, Johnson CA, Chou CP, Unger J, Sun P, Xie B, Gallaher PE, Palmer PH, **Spruijt-Metz D**.
Relationships between parent and child levels of physical activity, sleep, diet, stress, and depression in Chinese populations.
International Society of Behavioral Nutrition and Physical Activity Annual Meeting
Lisbon, Portugal, June 17-20, 2009.
19. Hsu YW, Johnson CA, Chou CP, Unger J, Sun P, Xie B, Gallaher PE, Palmer PH, **Spruijt-Metz D**.
Relationships between psychosocial, behavioral, and familial factors and sleep duration in Chinese adolescents.
23rd Annual Meeting of the Associated Professional Sleep Societies, LLC
Seattle, WA, June 6-11, 2009.
20. Weigensberg MJ, Shoar Z, Lane CJ, Goran MI, **Spruijt-Metz D.**
Higher awakening cortisol response (ACR) is associated with lower insulin sensitivity (Si) in overweight Latina female adolescents.
69th Scientific Sessions of the American Diabetes Association
New Orleans, LA, June 5 - 9, 2009.
21. Lee S, Annavaram M, Thatte G, Rozgic V, Li M, Mitra U, Naryanan S, **Spruijt-Metz D.**Sensing for obesity: KNOWME Implementation and Lessons for an Architect.
Proceedings of the Workshop on Biomedicine in Computing: Systems, Architectures, and Circuits (BiC2009)
Austin, TX, June 2009.
22. **Spruijt-Metz D**, Li M, Thatte G, Sukhatme G, Annavaram M, Rozgic V, Mitra U, Medvidovic N, Belcher B, Emken A, Narayanan S.
Differentiating physical activity modalities in youth using heartbeat waveform shape and differences between adjacent waveforms.
7th International Conference on Diet and Activity Methods
Washington, DC, June 5-7, 2009.
23. Weigensberg MJ, Shoar Z, Lane CJ, **Spruijt-Metz D**.
Intuitive eating (IE) is associated with decreased adiposity and increased insulin sensitivity (Si) in obese Latina female adolescents.
69th Scientific Sessions of the American Diabetes Association
New Orleans, LA, June 5-9, 2009.
24. Thatte G, Rozgic V, Li M, Ghosh S, Mitra U, Narayanan S, Annavaram M, **Spruijt-Metz D**.
Optimal allocation of time-resources for multihypothesis activity-level detection.
Proceedings of the 5th IEEE International Conference on Distributed Computing in Sensor Systems, Best Conference Paper Award
Marina Del Rey, CA, June 2009**.**
25. Shoar Z, Liu T, **Spruijt-Metz D,** Goran MI, Weigensberg MJ.
Acute effects of stress reduction Interactive Guided ImagerySM (IGI) on salivary cortisol levels in overweight Latino youth.
40th Annual International Society of Psychoneuroendocrinology Conference
San Francisco, CA, July 23-26, 2009.
26. Weigensberg MJ, Liu T, Ávila Q, Konersman K, Shoar Z, Goran MI, **Spruijt-Metz D**.
Changes in insulin sensitivity and HPA axis activity following pilot lifestyle intervention using Interactive Guided ImagerySM in obese Latino adolescents.
40th Annual International Society of Psychoneuroendocrinology Conference
San Francisco, CA, July 23-26, 2009.
27. Donoho CJ, Weigensberg MJ, **Spruijt-Metz D**.
The relationship between school stress and visceral fat: Preliminary evidence for moderation by the cortisol awakening response in peri-pubertal Latina girls.
40th Annual International Society of Psychoneuroendocrinology Conference
San Francisco, CA, July 23-26, 2009.
28. Thatte G, Li M, Emken A, Bitra U, Narayanan S, Annavaram M, **Spruijt-Metz D**.
Energy-efficient nultihypothesis activity-detection for health-monitoring applications.
31st Annual International Conference of the IEE Engineering in Medicine and Biology Society
Minneapolis, MN, September 2009.
29. Thatte G, Li M, Emken A, Mitra U, Narayanan S, Annavaram M, **Spruijt-Metz D**.
Energy-efficient activity-detection via multihypothesis testing for pediatric obesity.
7th Annual CENS Research Review
Los Angeles, CA, October 2009.
30. McClain AD, Pentz MA, Nguyen-Rodriguez S, Chou C-P, Shin H-S, Riggs NR, Weigensberg M, **Spruijt-Metz D**.
Factorial and predictive validity of the Meanings of Eating Index among Latino children.
27th Annual Scientific Meeting of The Obesity Society
Washington, DC, October 24-28, 2009.
31. Pentz MA, Riggs NR, **Spruijt-Metz D**, Chou C-P.
Developing a child obesity prevention program: Tests of four variations on a theme.
27th Annual Scientific Meeting of The Obesity Society
Washington, DC, October 24-28, 2009.
32. Hsu Y-W, Ventura EE, Davis J, Belcher BR, Byrd-Williams C, Goran MI, Lane CJ, Weigensberg MJ, Nguyen-Rodriguez ST, McClain AD, Chou C-P, **Spruijt-Metz D.** Influences of physical activity and sedentary behavior on metabolic syndrome in minority youth.
27th Annual Scientific Meeting of The Obesity Society
Washington, DC, October 24-28, 2009.
33. Belcher BR, Chou CP, **Spruijt-Metz, D.**
Objectively measured physical activity in US youth: Impact of gender, ethnicity, age, and weight status.
27th Annual Scientific Meeting of The Obesity Society
Washington, DC, October 24-28, 2009.
34. Byrd-Williams CE, Davis JN, **Spruijt-Metz D**, Belcher BR, Hasson RE, Ventura EE, Toledo-Corral CM, Fisher JQ, Goran MI.
Higher physical activity is associated with a lower accumulation of hepatic fat in overweight African American adolescents, but not their Latino counterparts.
27th Annual Scientific Meeting of The Obesity Society
Washington, DC, October 24-28, 2009.
35. Ventura EE, Davis JN, Byrd-Williams CE, Toledo-Corral CM, **Spruijt-Metz D,** Weigensberg MJ, Azen S, Goran MI.
The effects of a randomized, controlled, modified-carbohydrate nutrition intervention on the metabolic syndrome in overweight Latino adolescents.
27th Annual Scientific Meeting of The Obesity Society
Washington, DC October 24-28, 2009.
36. Vanni AK, Davis JN, **Spruijt-Metz D,** Weigensberg MJ, Goran MI.
Effects of parental attendance on adiposity and glucose and insulin indices in overweight Latino adolescents.
27th Annual Scientific Meeting of The Obesity Society
Washington, DC, October 24-28, 2009.
37. **Spruijt-Metz D,** Anschutz D, van Strien T, Engels R.
Thin ideal media exposure does not influence women’s own body ideal.
27th Annual Scientific Meeting of The Obesity Society
Washington, DC, October 24-28, 2009.
38. **Spruijt-Metz D,** Emken A, Richey J, Hsu YW, Weigensberg MJ.
CRP is related to higher leptin levels in minority prepubertal females regardless of adiposity levels.
27th Annual Scientific Meeting of The Obesity Society
Washington, DC, October 24-28, 2009.
39. Pentz MA, Dunton G, Jerret M, Wolch J, Valente T, Chou C-P, Berhane K, **Spruijt-Metz D.**
Effects of a smart growth community on prevention of family obesity risk: Pilot study results.
27th Annual Scientific Meeting of The Obesity Society
Washington, DC, October 24-28, 2009.
40. Emken A, Hsu YW, Belcher BR, McClain AD, Nguyen-Rodriguez S, Richey J, Weigensberg M, **Spruijt-Metz D**.
Sedentary behavior is associated with lower levels of plasma adiponectin in minority girls.
27th Annual Scientific Meeting of The Obesity Society
Washington, DC, October 24-28, 2009.
41. **Spruijt-Metz D**, Narayanan S, Mitra U, Sukhatme G, Li M, Thatte G, Emken A, Lee S, Vathsangam H, Annavaram M.
KNOWME Networks: Mobile device biomonitoring to prevent and treat obesity in underserved minority youth.
mHealth Summit
Washington, DC, October 2009.
42. **Spruijt-Metz D**, Li M, Thatte G, Sakhatme G, Annavaram M, Ghosh S, Rozgic V, Mitra U, Medvidovic N, Belcher B, Narayanan S.
The KNOWME Network: Energy-efficient activity-detection for pediatric obesity.
3rd Annual International USC Body Computing Conference, Best Presentation on Body Computing Prize
Los Angeles, CA, October 2009.
43. Vathsangam H, Emken A, **Spruijt-Metz D**, Sukhatme G.
Toward free-living walking speed estimation using gaussian process-based regression with on-body accelerometers and gyroscopes.
Proceedings of the 4th International Conference on Pervasive Computing Technologies for Healthcare
Munich, Germany, March 2010.
44. Dunton GF, Liao Y, Intille S, **Spruijt-Metz D**, Wolch J, Pentz M.
Investigating children’s physical activity and sedentary behavior using Ecological Momentary Assessment with mobile phones.
Healthy People 2010 Conference
Loma Linda, CA, March 9-10, 2010.
45. Huh J, Riggs NR, **Spruijt-Metz D**, Chou C, Huang Z, Pentz M.
Identifying patterns of eating and physical activity in children: A latent class analysis of pediatric obesity risk.
31st Annual meeting of the Society of Behavioral Medicine
Seattle, WA, April 7-10, 2010.
46. **Spruijt-Metz D**, Thornquist M, Barnett M, Sirard J, Redline S, Berrigan D.
Objectively versus subjectively measured physical activity in youth: Relationships with adiposity and insulin sensitivity across four studies
International Conference on Physical Activity and Public Health
Toronto, Canada, May 5-8, 2010.
47. Pentz MA, **Spruijt-Metz D**, Chou C-P, Sakuma K-L Hoyt E, Portugal C, Gunning G, Shin HS, Riggs NR**.**A first look behind the barn: six month effects of the Pathways to Health program on child obesity risk. Society for Prevention Research **17th Annual Meeting
Washington, DC, May 26–May 29, 2010.**
48. Riggs NR, Sakuma K-L, **Spruijt-Metz D**, Chou C-P, Pentz MA.
Relations between executive cognitive function and substance use, food intake, physical activity, and sedentary behavior.
Society for Prevention Research **18th Annual Meeting
Denver, CO, June 1-4, 2010.**
49. Pentz MA, **Spruijt-Metz D**, Chou CP, Sakuma KL, Hoyt E, Portugal C, Gunning G, Shin HS, Riggs NR.

A first look behind the barn: six month effects of the Pathways to Health program on child obesity risk.

Poster presented at the Society for Prevention Research

Denver, CO, June 2010.

1. **Spruijt-Metz D,** Belcher B, Chou CP, Hsu YW, Wegensberg M, Goran MI.
The Longitudinal relationship between moderate to vigorous physical activity (MVPA), sedentary behavior (SB) and insulin sensitivity (SI) in peripubertal Hispanic and African American (AA) females.
Annual Conference of the International Society of Behavioral Nutrition and Physical Activity
Minneapolis, MN, June 9-12, 2010.
2. **Spruijt-Metz D,** Nguyen-Rodriguez S.
Defining the evening hyperphagia symptom of Night Eating Syndrome: Can one definition suffice?
Oral presentation, International Society for Behavioral Nutrition and Physical Activity 2010 Annual Meeting.
Minneapolis, MN, June 9-12, 2010.
3. Nguyen-Rodriguez ST, **Spruijt-Metz D**.
Correlates of night-eating in a sample of African American and Latina girls.
Oral presentation, International Society for Behavioral Nutrition and Physical Activity 2010 Annual Meeting.
Minneapolis, MN, June 9-12, 2010.
4. Vathsangam H, Emken A, Sukhatme GS, **Spruijt-Metz D**.
Evaluation of a tri-axial, gyroscope-enhanced, and bluetooth-enabled accelerometer in estimating walking speeds.
Medicine and Science in Sports and Exercise, June 2010.
5. Li M, Emken A, Narayanan S, Thatte G, Lee S, Vathsangam H, Sukhatme G, Mitra U, Annavaram M, **Spruijt-Metz D**.
Using the KNOWME Networks mobile biomonitoring system to characterize physical activity in overweight hispanic youth.
Medicine and Science in Sports and Exercise, June 2010.
6. Vathsangam H, Emken A, **Spruijt-Metz D**, Schroeder TE, Sukhatme GS.
Energy estimation of treadmill walking using on-body accelerometers and gyroscopes.
EMBS 32nd Annual International Conference of the IEEE Engineering in Medicine and Biology Society
Buenos Aires, Argentina, September 2010.
7. Adam TC, Hasson RE, **Spruijt-Metz D**, Weigensberg MJ, Goran MI.
Fasting indicators of insulin sensitivity: Effects of ethnicity and tanner stage.
The Obesity Society Annual Scientific Meeting
San Diego, CA, October 8-12, 2010.
8. Belcher BR, Emken BA, Hsu Y-W, McClain AD, Weigensberg M, **Spruijt-Metz D**.
Plasma leptin levels are associated with objectively measured moderate to vigorous physical activity (MVPA) independent of adiposity in 8-11 year old minority females.
The Obesity Society Annual Scientific Meeting
San Diego, CA, October 8-12, 2010.
9. Davis JN, Allayee H, Le KA, Walker RW, Vikman S, **Spruijt-Metz D**, Weigensberg MJ, Goran MI.
Impact of dietary intake on liver fat depots among variants in PNPLA3 in overweight Latino youth.
The Obesity Society Annual Scientific Meeting
San Diego, CA, October 8-12, 2010.
10. Goran MI, Walker RW, Le KA, Mahurkar S, Davis JN, **Spruijt-Metz D**, Weigensberg MJ, Allayee H.
Validation of the effects of the PNPLA3 gene on liver fat deposition in overweight and obese children and teenagers.
The Obesity Society Annual Scientific Meeting
San Diego, CA, October 8-12, 2010.
11. Hsu Y-W,Nguyen-Rodriguez ST, Belcher BR, McClain AD, Weigensberg MJ, **Spruijt-Metz D**.
Sleep duration, napping duration, and insomnia are related to metabolic risk factors in young Latina and African American females.
The Obesity Society Annual Scientific Meeting
San Diego, CA, October 8-12, 2010.
12. McClain AD, Hsu YW, Belcher BR, Nguyen-Rodriguez S, Weigensberg M, **Spruijt-Metz D**.
Physical Activity (PA), but Not Sedentary Behavior (SB) or Diet, are Associated with Higher Fat Mass in Latina and African American (AA) Girls.
The Obesity Society Annual Scientific Meeting
San Diego, CA, October 8-12, 2010.
13. Shen E, Liu T, Weigensberg MJ, Belcher BR, Thornton AR, Berman LJ, **Spruijt-Metz D**.
Differential effects of high-sugar and high-fiber meals on glucose and insulin levels in overweight Latino and African American adolescents in an acute feeding study.
The Obesity Society Annual Scientific Meeting
San Diego, CA, October 8-12, 2010.
14. Thornton AR, Shen E, Nguyen-Rodriguez S, Berman LJ, Davis JN, Goran MI, Weigensberg MJ, **Spruijt-Metz D**.
Breakfast consumption is associated with higher self-reported and objectively measured moderate to vigorous physical activity in 8-17 year old Latina and African American females.
The Obesity Society Annual Scientific Meeting
San Diego, CA, October 8-12, 2010.
15. Dunton GF, Jerrett M, Wolch J, **Spruijt-Metz D**, Pentz M.
The availability of active space and equipment at home: Associations with physical activity and body mass index in children and parents.
The Obesity Society Annual Scientific Meeting
San Diego, CA, October 8-12, 2010.
16. Davis, JN, Ventura, AT, Munevar, M, Hasson, RE, Byrd-Williams, C, **Spruijt-Metz, D**, Weigensberg, MIG.

The effects of an 8-month maintenance nutrition and strength training intervention on type 2 diabetes risk factors in overweight Latino and African American adolescents.

Obesity, 17, Supplement 2: 257-P, 2010.

1. Dunton GF, Intille S, Wolch J, **Spruijt-Metz D**, Pentz M.
Investigating children's physical activity and sedentary behavior using Ecological Momentary Assessment with mobile phones.
American Public Health Association Annual Meeting and Exposition
Denver, CO, November 6-10, 2010.
2. Pentz MA, Dunton GF, Wolch J, **Spruijt-Metz D,** Chou CP, Berhane K, Jerrett M.

Healthy PLACES: A Study of The Effects of Smart Growth Planning Principles on Family Obesity Prevention.

The University of Southern California Tech Summit

Los Angeles, CA. September, 2010.

1. Hasson, RE, Adam, TC, Pearson, JA, Davis, JN, **Spruijt-Metz, D**, Goran, MI.
The influence of social factors on diabetes risk in minority youth.

5th Annual Disparities Symposium, poster presentation

University of California San Francisco

San Francisco, CA, 2010.

1. Hasson, RE, Adam TC, Davis, JN, Kelly LA, Ventura, E, Byrd-Williams, CE, Roberts, C, Lane, CJ, Azen, S. Chou, C, Weigensberg, MJ, **Spruijt-Metz, D**, Berhane, K, Goran, MI.
Incremental Affects of a Nutrition and Strength Training Intervention on Insulin Sensitivity and Adiposity in Obese African American and Latino Adolescents.
The Obesity Society Annual Scientific Meeting

San Diego, CA, October 8-12, 2010.

1. **Spruijt-Metz D**, Thatte G, Li M, Emken A, Mitra U, Annavaram M, Narayanan S.
KNOWME Networks
mHealth Summit
Washington, DC, November 8-10, 2010.
2. Gotsis, M, Jordan-Marsh, M, Graner, B, Antonisse, J, Hughes, D, **Spruijt-Metz, D** et al. The wellness partners collaboration: Intervention and study design from scratch.

Meaningful Play

East Lansing, MI, October, 2010.

1. Baker M, Hernandez I, Stanczyk F, Azen C, Hsu YW, Paulson R, **Spruijt-Metz D**.
An assessment of Bisphenol A (BPA) during pubertal development: Relationship to markers of adiposity.
Pacific Coast Reproductive Society 2011 Annual Meeting
Rancho Mirage, CA, April 13-17, 2011.
2. Dunton GF, Liao Y, Almanza E, Jerrett M, **Spruijt-Metz D**, Pentz MA.
Correspondence in daily physical activity levels in parent-child pairs based on accelerometer and GPS monitoring.
Society of Behavioral Medicine’s Annual Meeting & Scientific Sessions
Washington, DC, April 27-30, 2011.
3. Baker M, Hernandez I, Stanczyk FZ, Azen C, Hsu Y-W, **Spruijt-Metz D**.
Endocrine disruptors in pubertal transition: BPA is negatively correlated with testosterone in early pubertal young girls.
The Endocrine Society’s Annual Meeting
Boston, MA, June 4-7, 2011.
4. Hasson R, Mahurkar S, Adam T, Toledo-Corral C, Davis J, **Spruijt-Metz D**, Goran M.
Relationship between marginalization, socioeconomic position, and diabetes risk in Latino children and adolescents.
139th APHA Annual Meeting

Washington, DC, October 29 - November 2, 2011.

1. Wang H, Gotsis M, Jordan-Marsh M, **Spruijt-Metz D**, Valente T.

Networked play for health: Promoting physical activity through a social game.

31st International Sunbelt Social Network Conference

St. Pete Beach, FL, February, 2011.

1. Gotsis M, Wang H, **Spruijt-Metz D**, Jordan-Marsh M, Valente T.

Promoting active lifestyles through social networking and digital gaming.

D.C.-area Health Communication Conference

Fairfax, VA, April 2011.

1. **Spruijt-Metz D**, Lui T, Belcher B, Lane CJ, Weigensberg M.
Sugar Takes the Edge Off: High-Sugar (HS) Meals Lead to Lower Objectively and Subjectively Measured Stress as Compared to Low Sugar Meals (LS) in Overweight Latino and African American (AA) Youth: the Food, Adolescence, Mood, and Exercise (FAME) study.

The Obesity Society 29th Annual Meeting

Orlando, FL, October 2011.

1. Pentz MA, Huh J, Riggs NR, **Spruijt-Metz D**, Chou CP.
Effects of A Childhood Obesity Prevention Program Aimed at Executive Cognitive Function: The Pathways Trial.

The Obesity Society 29th Annual Meeting
Orlando, FL, October 2011.

1. Pentz MA, Huh J, Dunton G, **Spuijt-Metz D**, Gomez R, Durand C.
Relationship of Community Policies to Child Obesity Risk.
The Obesity Society 29th Annual Meeting

Orlando, FL, October 2011.

1. **Spruijt-Metz D.**Principles of mHealth Design.

mHealth Summit: Shaping the Future of Mobile Health

Washington, DC, December 2011.

1. Dunton GF, Huh J, Leventhal A, Riggs NR, **Spruijt-Metz D**, Hedeker D, Pentz MA.
Within-Daily Covariation Between Affect and physical activity in children: an ecological momentary assessment study.
Society of Behavioral Medicine Annual Meeting

New Orleans, LA, 2012.

1. Schembre SM, Keller S, Fridlund Dunton G, **Spruijt-Metz, D.**
Using Ecological Momentary Assessment to predict maladaptive eating events. Symposium. Annals of Behavioral Medicine. 41(Supp 1):S138. . (2012).
2. Pentz MA, Durand C**, Spruijt-Metz D**, Dunton G, & Chou, CP. (October 2012). Any way you slice it: Interaction effects of residence in a Smart Growth Community, time in residence, physical activity and obesity risk in adults.
American Public Health Association (APHA) Annual Meeting & Expo. San Francisco, CA.
3. Foran, A.C., Cermak, S.A., & **Spruijt-Metz, D.** (2012).
Psychosocial determinants of participation in moderate-to-vigorous physical activity among Hispanic and Latina middle-school-aged girls.
Poster presented Dec 18, 2012 at the Summit on the Science of Eliminating Health Disparities, Baltimore, MD.
4. R. E. Hasson, S. Mahurkar, T. C. Adam, J. A. Pearson, C. M. Toledo-Corral, Y. J. Hsu, J. N. Davis, **D. Spruijt-Metz,** M. I. Goran. Social position, sociocultural orientation and cancer risk in obese African-American and Latino adolescents. Psychosomatic Medicine 74(3): A802, 2012.
5. **Self-esteem Independently Predicts Insulin Sensitivity in Obese Latino Adolescents** Weigensberg M, Vasquez S, Toledo-Corral C, Nguyen-Rodriguez S, **Spruijt-Metz D**, The Obesity Society 2011 Annual Scientific Meeting, Orlando, FL, 10/2012
6. Dunton, G.F., Liao, Y, Almanza, E., Jerrett, M**., Spruijt-Metz, D**., Pentz, M. Locations of Joint Physical Activity in Parent-Child Pairs Based on Accelerometer and GPS Monitoring. To be presented at: Active Living Research Conference. San Diego, CA/USA, March 2012.
7. Dunton, G.F., Youman, C., Liao, Y., Kawabata, K., **Spruijt-Metz, D**., Intille, S., Pentz, M. Using Ecological Momentary Assessment to Examine Perceptions of Safety, Aesthetics and Physical Activity in Adults. Presented at: Active Living Research Conference. San Diego, CA/USA, March 2012.
8. Lamm, M., Kawabata, K., Liao, Y., Spruijt-Metz, D., Pentz, M., Dunton, G. F. A Preliminary Investigation of Residential Self-Selection in Smart Growth Versus Urban Sprawl Communities.
Active Living Research Conference. San Diego, CA/USA, March 2012.
9. Liao, Y., Dunton, G. F., Chou, C., Ansari, A., Durand, C., **Spruijt-Metz, D**., Pentz, M. Combinations of Perceived Built Environmental Factors Differentiating Physically Active vs. Non-Active Adults - A Decision Tree Classification Approach.
Presented at: Active Living Research Conference. San Diego, CA/USA, March 2012.
10. Pentz, M., Durand, C., **Spruijt-Metz, D**., Dunton, G.F., Chou, C. Any way you slice it: interaction effect of residence in a smart growth community, time in residence, physical activity and obesity risk in adults. Paper to be presented at: American Public Health Association Annual Meeting, Oct. San Francisco, CA/USA, 2012.
11. Dunton, G.F., Huh, J., Leventhal, A., Riggs, N., **Spruijt-Metz**, ., Hedeker, D., Pentz, M. Within-Daily Covariation Between Affect and Physical Activity in Children: An Ecological Momentary Assessment Study.
Society of Behavioral Medicine Annual Meeting, New Orleans, LA/USA 2012.
12. Dunton, G.F., Liao, Y., Intille, S., **Spruijt-Metz, D**., Pentz, M. Assessing adults’ physical activity and sedentary behavior using Ecological Momentary Assessment with mobile phones.
American Public Health Association Annual Meeting. San Francisco, CA/USA 2012.
13. Liao, Y., Huh, J., **Spruijt-Metz**, D., Intille, S., Pentz, M., Dunton, G.F. Examining the inmmediate effects of intention and self efficacy on physical activity among adults: An Ecological Momentary Assessment study.
American Public Health Association Annual Meeting. San Francisco, CA/USA 2012.
14. Pentz, M. A., Durand, C., **Spruijt-Metz,** D., Dunton, G., & Chou, C-P. Any way you slice it: Interaction effects of residence in a Smart Growth Community, time in residence, physical activity and obesity risk in adults.
American Public Health Association’s Annual Meeting & Expo. (APHA). San Francisco, CA, Oct 2012.
15. Schembre, S.M., Keller, S., Fridlund Dunton, G., **Spruijt-Metz, D**. (2012).
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1. **Spruijt-Metz D**, de la Haye K**,**Lach JA,. Stankovic, J.

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Monitoring and Modeling Family Eating Dynamics.

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3. Hingle, Patrick, **Spruijt-Metz**
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4. **Spruijt-Metz**, Goldstein, Jake-Schoffman, Wac, Alshurafa, Meyers, Thomas
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13. **Spruijt-Metz**Understanding and intervening on obesity-related health behavior using m-Health approaches
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