

# CURRICULUM VITAE

## Kelly E. Rentscher PhD

Assistant Professor  
Department of Psychiatry and Behavioral Medicine

### OFFICE ADDRESS:

Clinical Cancer Center  
9200 W Wisconsin Ave  
Milwaukee, WI 53226

### EDUCATION:

09/2003 - 08/2007 B.A., University of Wisconsin-Madison, Madison, WI  
08/2009 - 08/2017 Ph.D., University of Arizona, Tucson, AZ  
07/2016 - 06/2017 Predoctoral Internship in Clinical Psychology, University of Wisconsin-Madison, Madison, WI

### POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

08/2017 - 06/2020 Postdoctoral Fellowship, Cousins Center for Psychoneuroimmunology, University of California, Los Angeles, Los Angeles, CA

### FACULTY APPOINTMENTS:

07/2020 - 12/2021 Assistant Professor, Department of Psychiatry and Biobehavioral Sciences, University of California, Los Angeles, Los Angeles, CA  
01/2022 - Present Assistant Professor, Department of Psychiatry and Behavioral Medicine, Medical College of Wisconsin, Milwaukee, WI

### AWARDS AND HONORS:

05/2012 Travel Award, Association for Psychological Science  
03/2014 Graduate and Professional Student Council Travel Award, University of Arizona  
04/2014 Galileo Circle Scholars Award, University of Arizona  
04/2015 Graduate and Professional Student Council Travel Award, University of Arizona  
05/2016 Graduate and Professional Student Council Travel Award, University of Arizona  
03/2018 Young Scholar Award, American Psychosomatic Society  
04/2018 Travel Award, Society of Behavioral Medicine  
11/2018 ESPO Best Poster Award, Gerontological Society of America  
03/2019 Young Investigator Colloquium Award, American Psychosomatic Society  
09/2019 Postdoctoral Fellowship Award, UCLA Jonsson Comprehensive Cancer Center  
02/2020 Chancellor's Award for Postdoctoral Research, University of California, Los Angeles  
07/2020 CTSI KL2 Translational Science Award, University of California, Los Angeles  
09/2020 Mentored Research Scientist Career Development Award (K01), NIH National Institute on Aging  
12/2020 Childhood Cancer Survivor Study (CCSS) Junior Faculty Career Development Award, St. Jude Children's Research Hospital

### MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

01/2014 - Present American Psychosomatic Society (APS)  
05/2017 - Present Psychoneuroimmunology Research Society (PNIRS)  
08/2018 - Present Gerontological Society of America (GSA)  
01/2021 - Present American Society for Transplantation and Cellular Therapy (ASTCT)

### RESEARCH GRANTS/AWARDS/CONTRACTS/PROJECTS:

**Active****Peer Review**

Title: Bio-behavioral Research at the Intersection of Cancer and Aging  
Source: NIH  
Role: Co-Investigator for subaward  
PI: Dr. Jeanne Mandelblatt  
Dates: 08/01/2020 - 07/31/2022  
Direct Funds: \$241,066 (subaward total for all years)

Title: Accelerated Biological and Phenotypic Aging in Hematopoietic Cell Transplant Survivors: Social Support as a Protective Factor  
Source: NIH  
Role: Principal Investigator  
Dates: 09/01/2020 - 05/31/2025  
Direct Funds: \$596,125 (total for all years)

**Non-Peer Review**

Title: Accelerated Aging in Hematopoietic Stem Cell Transplant Survivors  
Source: UCLA Jonsson Comprehensive Cancer Center  
Role: Principal Investigator  
Dates: 09/01/2019 - 08/31/2021  
Direct Funds: \$50,000 (total for all years)

**Prior****Non-Peer Review**

Title: Stress and Aging Biology: Couples' Wellness as a Protective Factor  
Source: UCLA Cousins Center for Psychoneuroimmunology  
Role: Principal Investigator  
Dates: 03/01/2018 - 03/01/2019  
Direct Funds: \$10,000

Title: Stress and Aging Biology: Couples' Relationship Quality as a Protective Factor  
Source: USC/UCLA Center for Biodemography and Population Health  
Role: Principal Investigator  
Dates: 07/01/2018 - 06/30/2019  
Direct Funds: \$25,000

Title: Investigating Associations Between Chronic Stress, Social Support, DNA Damage and Cellular Senescence in the Midlife in the United States (MIDUS) Study  
Source: USC/UCLA Center for Biodemography and Population Health  
Role: Principal Investigator

Dates:	07/01/2019 - 06/30/2020
Direct Funds:	\$25,000
Title:	Accelerated Biological and Phenotypic Aging in Hematopoietic Cell Transplant Survivors: Social Support as a Protective Factor
Source:	UCLA Clinical & Translational Science Institute
Role:	KL2 Scholar
PI:	Dr. Mitchell Wong
Dates:	07/01/2020 - 06/30/2022
Direct Funds:	\$260,000 (total for all years)
Title:	Psychological Distress, Social Functioning, and Phenotypic Aging in Adult Survivors of Childhood Cancer
Source:	Childhood Cancer Survivor Study (CCSS), St. Jude Children's Research Hospital
Role:	Principal Investigator
Dates:	12/01/2020 - 11/30/2021
Direct Funds:	\$20,000

#### **INVITED LECTURES/WORKSHOPS/PRESENTATIONS:**

##### **Local**

Kelly Rentscher, Close Relationships, Aging, and Health: A Multi-Method Perspective, UCLA Health Psychology/Behavioral Medicine Seminar, University of California, Los Angeles, 10/31/2018

Kelly Rentscher, Psychosocial Stress and Aging Biology: Pathways to Health and Disease, Neuroscience Research Seminar, Medical College of Wisconsin, 07/10/2019

Kelly Rentscher, Stress, Social Relationships, and Biological Aging: Relevance for Cancer Survivorship, UCLA Center for Cancer Prevention and Control Research and UCLA Kaiser Permanente Center for Health Equity Monthly Seminar, University of California, Los Angeles, 07/10/2021

##### **National**

Kelly Rentscher, Partner We-talk and Communal Coping in the Context of Couple-Focused Interventions for Health Problems, Society for Personality and Social Psychology Annual Meeting, Long Beach, CA, 02/26/2015 - 02/28/2015

Kelly Rentscher, Language in Context: Couples' Pronoun use as Indicators of Health-Relevant Relational Processes, Language and Psychology Preconference, Society for Personality and Social Psychology Annual Meeting, Atlanta, GA, 03/01/2018

Kelly Rentscher, Measurement Considerations for the Assessment of Communal Coping in a Therapy Context, Society of Behavioral Medicine Annual Meeting, New Orleans, LA, 04/11/2018 - 04/14/2018

Kelly Rentscher, Couples' We-ness Buffers the Effects of Perceived Stress on Physical Health Functioning in Midlife Parents, American Psychosomatic Society Annual Meeting, Long Beach, CA, 03/11/2020 - 03/14/2020

Kelly Rentscher, Sleep Disturbance, Fatigue, and Depression Symptoms Predict 6-Year Clinical Outcomes Following Allogeneic Hematopoietic Cell Transplantation, Transplantation and Cellular Therapy (TCT) Meetings of ASTCT and CIBMTR Digital Experience, 02/08/2021 - 02/12/2021

Kelly Rentscher, Loneliness and Mental Health During the COVID-19 Pandemic, Thinking and Living with Cancer (TLC) Study Annual Investigators Meeting, 04/12/2021

Kelly Rentscher, Biobehavioral Influences on Accelerated Aging Following Hematopoietic Cell Transplantation, ASTCT Biobehavioral Research SIG Bi-Annual Meeting, 10/04/2021

##### **International**

Kelly Rentscher, Communal Coping as a Change Process in Couple-Focused Interventions for Health

Problems, International Association for Relationship Research Annual Meeting, Toronto, ON, Canada, 07/20/2016 - 07/24/2016

## **PEER REVIEWED WORKSHOPS/PRESENTATIONS:**

### **National**

- Kelly Rentscher, Correlates and Consequences of Language Style Matching in Couples Coping with Health Problems, Health, Emotion, and Relationships Mini-Conference, International Association for Relationship Research, Tucson, AZ, 10/20/2011 - 10/22/2011
- Kelly Rentscher, Correlates and Consequences of Asymmetric Partner Pronoun Use in Couples Coping with Heart Failure, Society for Personality and Social Psychology Annual Meeting, New Orleans, LA, 01/17/2013 - 01/19/2013
- Kelly Rentscher, Coping Can be About More Than You and I: And Words Can Reveal It, Society for Personality and Social Psychology Annual Meeting, Austin, TX, 02/13/2014 - 02/15/2014
- Kelly Rentscher, Paternal Nurturance in its Natural Habitat: Observing Father-Toddler Interactions in Daily Life, Association for Psychological Science Annual Convention, Chicago, IL, 05/26/2016 - 05/29/2016
- Kelly Rentscher, Partner Communal Coping in the Context of Couple-Focused Interventions for Health Problems, Society of Behavioral Medicine Annual Meeting, San Diego, CA, 03/29/2017 - 04/01/2017
- Kelly Rentscher, Behavioral and Biological Predictors of Chronic Graft-Versus-Host Disease and Mortality Following Hematopoietic Stem Cell Transplantation, American Psychosomatic Society Annual Meeting, Louisville, KY, 03/07/2018 - 03/10/2018
- Kelly Rentscher, Links Between Perceived Stress and Epigenetic Aging in the Context of Midlife Parents' Relationship Quality, American Psychosomatic Society Annual Meeting (cancelled due to the coronavirus pandemic), Long Beach, CA, 03/11/2020 - 03/14/2020
- Kelly Rentscher, Couples' We-ness Buffers the Effects of Stress on Accelerated Aging in Midlife Parents, Annual Dyadic Coping Conference (cancelled due to the coronavirus pandemic), College Park, MD, 06/22/2020 - 06/23/2020

### **International**

- Kelly Rentscher, Relational Closeness Buffers the Effects of Psychosocial Stress on Cellular Stress and Biological Aging Marker p16INK4a, American Psychosomatic Society Annual Meeting, Vancouver, BC, Canada, 03/09/2019 - 03/12/2019

## **BIBLIOGRAPHY**

### **Refereed Journal Publications/Original Papers**

1. Badal, V.D., Nebeker, C., Shinkawa, K., Yamada, Y., Rentscher, K.E., Kim, H., & Lee, E.E. (2021). Do words Matter? Detecting social isolation and loneliness in older adults using natural language processing. *Frontiers in Psychiatry*, 12, 728732. doi:10.3389/fpsy.2021.728732
2. Dilawari, A.A., Rentscher, K.E., Zhai, W., Zhou, X., Ahles, T., Ahn, J., Bethea, T.N., Carroll, J., Cohen, H.J., Graham, D., Jim, H., McDonald, B., Nakamura, Z., Patel, S., Root, J., Small, B., Saykin, A.J., Tometch, D., Van Dyk, K., & Mandelblatt, J.S. (2021). Medical care disruptions during the first six months of the COVID-19 pandemic: The experience of older breast cancer survivors. *Breast Cancer Research and Treatment*, 190, 287-293. doi:10.21203/rs.3.rs-416077/v1
3. Rentscher, K.E., Carroll, J.E., Juckett, M.B., Coe, C.L., Broman, A.T., Rathouz, P.J., Hematti, P., & Costanzo, E.S. (2021). Sleep disturbance, fatigue, and depression as predictors of 6-year clinical outcomes following allogeneic hematopoietic cell transplantation. *JNCI: Journal of the National Cancer Institute*, 113(10), djab032. doi:10.1093/jnci/djab032.
4. Rentscher, K.E., Zhao, X., Small, B., Cohen, H.J., Dilawari, A.A., Patel, S.K., Bethea, T.N., Van Dyk, K.M., Nakamura, Z.M., Ahn, J., Zhai, W., Ahles, T.A., Jim, H.S., McDonald, B.C., Saykin, A.J., Root, J., Carroll, J.E., & Mandelblatt, J.S. (2021). Loneliness and mental health during the COVID-19 pandemic in older breast cancer survivors and non-cancer controls. *Cancer*, 127(19), 3671-3679. doi:10.1002/cncr.33687
5. Kelly, D.L., Syrjala, K., Taylor, M., Rentscher, K.E., Hashmi, S., Wood, W., Jim, H., Barrata, A., Flynn, K., Burns, L., Shaw, B., Petersdorf, E., Carazanna Yero, A., Emmrich, A.E., Morris, K.E., Costanzo, E.S., & Knight, J.M. (2021). Biobehavioral research and hematopoietic stem cell transplantation: Expert

- review from the Biobehavioral Research Special Interest Group of the American Society for Transplantation and Cellular Therapy. *Transplantation and Cellular Therapy*, 27(9), P747-757. doi:10.1016/j.jtct.2021.06.007
6. Bowen, D.J., Rentscher, K.E., Wu, A., Darien, G., Haile, H., Mandelblatt, J., & Kavanaugh-Lynch, M. (2021). Learning from and leveraging multi-level changes in response to the COVID-19 pandemic to facilitate breast cancer prevention efforts. *International Journal of Environmental Research and Public Health*, 18, 6999. doi:10.3390/ijerph18136999
  7. Carroll, J.E., Ross, K.M., Horvath, S., Okun, M., Mancuso, R., Sadek, A., Hobel, C., Rentscher, K.E., Coussons-Read, M., & Dunkel Schetter, C., (2021). Postpartum sleep loss and accelerated epigenetic aging. *Sleep Health: Journal of the National Sleep Foundation*, 7(3), 362-367. doi:10.1016/j.sleh.2021.02.002
  8. Nakamura, J., Kim, E.S., Rentscher, K.E., Bower, J.E., & Kuhlman, K.R. (2021). Early-life stress, depressive symptoms, and inflammation: The role of social factors. *Aging & Mental Health*. doi:10.1080/13607863.2021.1876636.
  9. Kaplan, D.M., Rentscher, K.E., Lim, M., Reyes, R., Keating, D., Romero, J., Shah, A., Smith, A.D., York, K.A., Milek, A., Tackman, A.M., & Mehl, M.R. (2020). Best practices for Electronically Activated Recorder (EAR) research: A practical guide to coding and processing EAR data. *Behavior Research Methods*, 52, 1538-1551. doi:10.3758/s13428-019-01333-y.
  10. Carroll, J.E., Rentscher, K.E., Cole, S.W., Luo, J., Ramilo, O., Lamkin, D.M., & Christian, L.M. (2020). Sleep disturbances and inflammatory gene expression among pregnant women: Differential responses by race. *Brain, Behavior & Immunity*, 88, 654-660. doi:10.1016/j.bbi.2020.04.065
  11. Rentscher, K.E., Carroll, J.E., Repetti, R.L., Cole, S.W., Robles, T.F. (2020). Relationship closeness buffers the effects of psychosocial stress on transcriptomic indicators of cellular stress and biological aging marker p16INK4a. *Aging*, 12, 16476-16490. doi:10.18632/aging.103739
  12. Rentscher, K.E., Carroll, J.E., & Mitchell, C. (2020). Psychosocial stressors and telomere length: A current review of the science. *Annual Review of Public Health*, 41, 223-245. doi:10.1146/annurev-publhealth-040119-094239.
  13. Polsinelli, A.J., Rentscher, K.E., Glisky, E.L., Moseley, S.A., & Mehl, M.R. (2020). Interpersonal focus in the emotional autobiographical memories of older and younger adults. *GeroPsych: The Journal of Gerontology and Geriatric Psychiatry*, 33, 3-14. doi:10.1024/1662-9647/a000220
  14. Rentscher, K.E., Carroll, J.E., Repetti, R.L., Cole, S.W., Reynolds, B.M., Robles, T.F. (2019). Chronic stress exposure and daily stress appraisals relate to biological aging marker p16INK4a. *Psychoneuroendocrinology*, 102, 139-148. doi:10.1016/j.psyneuen.2018.12.006
  15. Rentscher, K.E. (2019). Communal coping in couples with health problems. *Frontiers in Psychology*, 10, 398. doi:10.3389/fpsyg.2019.00398
  16. Mascaro, J.S., Rentscher, K.E., Hackett, P.D., Mehl, M.R., & Rilling, J.K. (2018). Preliminary evidence that androgen signaling is correlated with men's everyday language. *American Journal of Human Biology*, 30(4), e23136. doi:10.1002/ajhb.23136
  17. Skoyen, J.A., Rentscher, K.E., & Butler E.A. (2016). Relationship quality and shared unhealthy behaviors predict body mass index in women. *Journal of Social and Personal Relationships*, 5, 224-245. doi:10.1177/0265407516680909
  18. Rentscher, K.E., Soriano, E.C., Rohrbaugh, M.J., Shoham, V., & Mehl, M.R. (2017). Partner pronoun use, communal coping, and abstinence during couple-focused interventions for problematic alcohol use. *Family Process*, 56, 348-363. doi:10.1111/famp.12202. Published online December 28, 2015.
  19. Mascaro, J.S., Rentscher, K.E., Hackett, P.D., Mehl, M.R., & Rilling, J.K. (2017). Child gender influences paternal behavior, language, and brain function. *Behavioral Neuroscience*, 131(3), 262-273. doi:10.1037/bne0000199
  20. Soriano, E.C., Rentscher, K.E., Rohrbaugh, M.J., & Mehl, M.R. (2017). A semantic corpus comparison analysis of couple-focused interventions for problematic alcohol use. *Clinical Psychology and Psychotherapy*, 24, 618-631. doi:10.1002/cpp.2030
  21. Janssen, C.W., Lowry, C.A., Mehl, M.R., Allen, J.J.B., Kelly, K.L., Gartner, D.E., Medrano, A., Begay, T.K., Rentscher, K.E., White, J.J., Fridman, A., Roberts, L.J., Robbins, M.L., Hanusch, K., Cole, S.P., & Raison, C.L. (2016). Whole body hyperthermia for the treatment of major depressive disorder: A randomized clinical trial. *JAMA Psychiatry*, 73(8), 789-795. doi:10.1001/jamapsychiatry.2016.1031
  22. Rentscher, K.E., Rohrbaugh, M.J., Shoham, V., & Mehl, M.R. (2013). Asymmetric partner pronoun use and demand-withdraw interaction in couples coping with health problems. *Journal of Family Psychology*, 27, 691-701. doi:10.1037/a0034184

### **Books, Chapters, and Reviews**

1. Rentscher, K.E., Carroll, J.E., & Cole, S.W. (In press). Systemic neuroendocrine and inflammatory mechanisms in loneliness. In D.V. Jeste, T.T. Nguyen, T& N.J. Donovan (Eds.), *Loneliness: Science and Practice*. American Psychiatric Publishing, Washington, DC.
2. Carey, A.L., Rentscher, K.E., & Mehl, M.R. (2021). Naturalistic observation of social interactions. In K. Sweeny, M. Robbins, & L.M. Cohen (Eds.) *Encyclopedia of Health Psychology, Volume 2: The Social Bases of Health Behavior* (pp. 373-383). Hoboken, NJ: Wiley Blackwell.  
doi:10.1002/9781119057840.ch87

### **Abstracts**

1. Rentscher, K., Seeman, T., Cole, S., & Carroll, J. (2021). Physical Indicators of Aging are Related to Cellular Senescence Signal p16INK4a in Midlife Adults. *Innovation in Aging*, 5(Supple 1), 1022.
2. Rentscher, K.E., Carroll, J.E., Repetti, R.L., Robles, T.F. (2020). Links Between Perceived Stress and Epigenetic Aging in the Context of Midlife Parents' Relationship Quality. *Psychosomatic Medicine*, 82(6), A145-A145.
3. Rentscher, K.E., Carroll, J.E., Repetti, R.L., Robles, T.F. (2020). Couples' We-ness Buffers the Effects of Stress on Accelerated Aging in Midlife Parents. *Psychosomatic Medicine*, 82(6), A145-A145.
4. Rentscher, K.E., Carroll, J.E., Repetti, R.L., Cole, S.W., & Robles, T.F. (2019). Couples' relationship closeness buffers the effects of psychosocial stress on cellular stress and biological aging marker p16 (INK4a). *Psychosomatic Medicine*, 81, A206-A207.
5. Rentscher, K.E., Cole, S.W., Carroll, J.E., Coe, C.L., Hematti, P., Kim, J., Juckett, M.B., Lamkin, D.M., & Costanzo, E. S. (2019). Social attachment predicts inflammatory and anti-viral signaling in individuals undergoing autologous hematopoietic cell transplantation. *Brain, Behavior, and Immunity*, 81, 55.
6. Rentscher, K.E., Carroll, J.E., Cole, S.W., Repetti, R.L., & Robles, T.F. (2019). Greater chronic stress exposure and accumulated daily stress appraisals relate to cell senescence signal p16INK4a in mid-life parents. *Brain, Behavior, and Immunity*, 76, e41.
7. Rentscher, K.E., Rohrbaugh, M.J., & Mehl, M.R. (2018). Measurement considerations for the assessment of communal coping in a therapy context. *Annals of Behavioral Medicine*, 52, S442.
8. Rentscher, K.E., Broman, A., Coe, C.L., Juckett, M.B., Rathouz, P.J., Hematti, P., Carroll, J.E., & Costanzo, E. S. (2018). Behavioral and biological predictors of chronic graft-versus-host disease and mortality following hematopoietic stem cell transplantation. *Psychosomatic Medicine*, 80, A84.
9. Rentscher, K., Carroll, J., Cole, S., Repetti, R., & Robles, T. (2018). Chronic stress exposure and daily stress appraisals relate to biological aging marker p16INK4a in mid-life parents. *Innovation in Aging*, 2(Suppl 1), 94.
10. Rentscher, K., Rohrbaugh, M., & Mehl, M. (2017). Partner communal coping in the context of couple-focused interventions for health problems. *Annals of Behavioral Medicine*, 51, S707-S708.
11. Rentscher, K.E., Broman, A.T., Coe, C.L., Juckett, M.B., Rathouz, P.J., Hematti, P., & Costanzo, E.S. (2017). Biomarkers associated with risk and recovery in cancer patients after hematopoietic stem cell transplantation. *Brain, Behavior, and Immunity*, 66, e41-e42.
12. Skoyen, J.A., Rentscher, K.E., & Butler, E.A. (2015). Relationship quality and shared unhealthy behaviors predict body mass index. *Annals of Behavioral Medicine*, 49, S241.
13. Rentscher, K.E., Skoyen, J.A., Randall, A.K., & Butler, E.A. (2014). Romantic partners' eating to regulate emotion is associated with shared health-compromising behaviors. *Psychosomatic Medicine*, 76 (3), A93.