

# Ya-Yun Chen

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## EDUCATION

### Virginia Polytechnic Institute and State University (Virginia Tech, VT), Virginia, USA

*Ph.D. in Psychology, Developmental Science* 2025

*M.S. in Psychology, Developmental Science* 2021

- Advisor: Dr. Tae-Ho Lee

### National Yang-Ming University (NYMU), Taipei, Taiwan

*M.S. in Brain Science, Clinical Brain Science* 2016

- Advisor: Dr. Jen-Chuen Hsieh

### National Chung Cheng University (CCU), Chiayi, Taiwan

*B.S. in Psychology* 2014

## ACADEMIC POSITION

### Postdoctoral Associate, Department of Psychology, Virginia Tech, USA

2025

- Supervisors: Dr. Tae-Ho Lee & Dr. Jungmeen Kim-Spoon

## GRANT ACTIVITY

### 2023 Alliance for Neurodevelopment Research Seed Funding, Virginia Tech

2023

- Supports dissertation research on “How Parent-Child Neural Similarity Interacts with the Neurobiological Development of Emotional Adaptation, Aggression, and Prosociality during Adolescence”
- The total funding amounts to US\$7,500

### Government Scholarships to Study Abroad, the Ministry of Education, Taiwan

2020 – 2021

- One of the three fellows in the field of Psychology and Cognitive Science in 2020
- The total funding amounts to US\$32,000

### Fulbright Graduate Study Grants

2019 – 2020

- Taiwan's 2019-2020 grant winner
- The total funding amounts to US\$54,000

## HONORS AND AWARDS

### Nominee, 2024 College of Science Outstanding Doctoral Student Award, Virginia Tech

2024

- Nominated by the Department of Psychology

### Invited Attendees for the 2023 Plasticity of Well-being Summer Workshop

2023

- Funded by the National Center for Complementary and Integrative Health (NCCIH; U24-AT011289-01)
- One of six networks that NIH supporting to advance the understanding of emotional well-being
- The award covers all travel expenses, including airfare/transportation, lodging, meals, and per diem, for the 5-day workshop

### The SRCD 2023 Biennial Meeting Travel Award

2023

- The 2023 Biennial Meeting of the society for research in child development (SRCD)
- Graduate student travel award: US\$300

### Invited Attendees for the ABCD Workshop on Modeling Developmental Change

2021

- 40 seats out of 180 applications
- The ABCD Study is the largest long-term study of brain development and child health in the US

### The Graphic Competition Award

2015

- Only winner of the competition held by Vision Sciences Society, St. Pete Beach, Florida, USA

### Undergraduate Student Research Grant, Ministry of Science and Technology, Taiwan

2013

- Only awardee in the Department of Psychology, CCU, Taiwan

**Academic Excellence Award**

2011, 2013

- Academic Excellence Award was gained by students who are top 5% of the class in a semester

**INVITED TALKS, PANELS, AND GUEST LECTURES**

1. **Reimagining Academic Well-Being: Principles, Practices, and Experiences from the WeMerge Collective** May. 2025  
Invited panelist at the 2025 Association for Psychological Science (APS) Annual Convention, Washington DC, USA.
2. **Beyond a Single Region: Neurodynamics Across Brain Systems in Attention and Emotion** Feb. 2025  
Invited talk for student group from National Taiwan University and NYMU, Taiwan (Virtual)  
Invited talk at the Department of Psychology, National Chung Cheng University, Taiwan Jan. 2025
3. **Children Derive Aggression and Prosociality from Parents in Distinct Ways** Jun. 2023  
Flash talk at the Center for Healthy Minds, University of Wisconsin-Madison, USA
4. **Practical Research Approach in Developmental Psychology** Apr. 2023  
Guest lecturer at PSYC 1094: Principles of Psychology Research, Virginia Tech, USA
5. **Career Trajectory in Biological Psychology and Developmental Science** Mar. 2023  
Guest speaker at PSYC 3984: Careers in Psychology, Virginia Tech, USA
6. **Independent Research in Cognitive and Developmental Neuroscience** Mar. 2022  
Guest lecturer at the Graduate-level Course, National Chung Cheng University, Taiwan
7. **Cross-Cultural Differences in Aggression and Prosociality** Nov. 2021  
Invited Seminar Speaker at the Graduate-level Course: Independent Research in Cognitive and Developmental Neuroscience, National Chung Cheng University, Taiwan
8. **Dynamic Causal Modeling (DCM) Workshop: From Theory to Implementation** Jul. 2019  
Invited Seminar Lecturer at the Research Center for Education and Mind Sciences, National Tsing Hua University, Taiwan
9. **Domestic Violence Prevention: Revictimization Prediction and Management** Nov. 2017  
Invited Talk at the Pan Knowledge Festival, PanMedia Asia, Taiwan

**PUBLICATIONS****Peer-Reviewed Journal Articles** (\* denotes equal contribution; † denotes trainee)

1. Lindenmuth, M., **Chen, Y.-Y.**, Lee, T.-H., Melville, N., Casas, B., & Kim-Spoon, J. (2025). A Six-year Longitudinal Study Examining Chronicity and Timing of Maltreatment Effects on Risk-Related Functional Connectivity Change Across Adolescence. *Developmental cognitive neuroscience*, 74, 101577. Advance online publication.
2. **Chen, Y.-Y.**, Lindenmuth, M., Lee, T.-H., Lee, J., Casas, B., & Kim-Spoon, J. (2025). Neural Signatures of Cognitive Control Predict Future Adolescent Substance Use Onset and Frequency. *Biological psychiatry: Cognitive neuroscience and neuroimaging*, 10(5), 513–521. [\\*Journal's Press Release](#)
3. Yang, B., Zhou, Z., **Chen, Y.-Y.**, Devakonda, V., Cai, T., Lee, T.-H., & Qu, Y. (2024). Parental warmth buffers the negative impact of weaker fronto-striatal connectivity on early adolescents' academic achievement. *Journal of Research on Adolescence*, 35(1), e12949. [\\*Special Issue Title: Advancing Studies of Adolescent Development from Bench Science to Preventive Interventions and Policy Through Interdisciplinary Research](#)
4. Zhou Z., **Chen, Y.-Y.**, Yang, B., Qu, Y., & Lee, T.-H. (2023). Family Cohesion Moderates the Relation between Parent-Child Neural Connectivity Pattern Similarity and Youth's Emotional Adjustment. *Journal of Neuroscience*, 43(33), 5936-5943. [\\*Featured Article](#)
5. **Chen, Y.-Y.**, Yim, H., Lee, T.-H. (2023). Negative Impact of Daily Screen Use on Inhibitory Control Network in Preadolescence: A Two-Year Follow-Up Study. *Developmental Cognitive Neuroscience*, 60, 101218.
6. \*Lee, L.-C., \***Chen, Y.-Y.**, Li, W.-C., ..., Hsieh, J.-C. (2023). Adaptive neuroplasticity in the default mode network contributing to absence of central sensitization in primary dysmenorrhea. *Frontiers in Neuroscience*, 17, 144.
7. **Chen, Y.-Y.**, Uljarevic M., Neal, J., Greening S., Yim, H., & Lee, T.-H. (2022). Distracted from their surroundings: excessive functional coupling with less variability between salience and default-mode networks in ASD. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, 7(9), 876-884. [\\*Journal's Press Release](#)
8. **Chen, Y.-Y.**, & Shyi, G. C. W. (2017). A Comparison of Identity and Emotional Expression Processing between Real and Line-Drawn Faces. *Chinese Journal of Psychology*, 59(2), 105-123.

**Submitted & Under Review/Revision**

1. Treves, I., **\*Chen, Y.-Y.**, \*Wilson, C., Verdonk, C., Qina'au J. ... & Khalsa, S. S (under review). *Minding the Body: A Meta-analysis of the Effects of Mindfulness Meditation Training on Self-reported Interoception*. Preprint: <https://www.researchsquare.com/article/rs-6792067/v1>
2. **Chen, Y.-Y.**, †Chen, W.-Y., Shyi, G. C.-W., Huang, T. S.-T., & Lee, T.-H. (under review). *Dynamics between Aggression and Prosociality: Cross-Cultural Study of the US and Taiwan*.
3. Lindenmuth, M., **Chen, Y.-Y.**, Lee, T.-H., Lee, J., Ollendick, TH., Casas, B., & Kim-Spoon, J. (under review). *Maltreatment Effects on Cognitive Control Related Functional Connectivity Changes across Adolescence: Prospective Associations with Young Adult Mental Health Outcomes*.
4. \***Lindenmuth, M.**, **\*Chen, Y.-Y.**, Lee, T.-H., Lee, J., Casas, B., & Kim-Spoon, J. (under review). *Developmental Changes in Neural Connectivity Underlying Cognitive Control Predicted by Family Economic Environment*.
5. **Chen, Y.-Y.**, Zhou, Z., Qu, Y., & Lee, T.-H. (in preparation). *From Family Relationship to Regulation: Parent–Child Amygdala Activation Similarity is Linked to Prefrontal Recruitment and Youth Emotional Adaptation*.
6. \*Rahrig, H., \*Lipsett, M., ... , **\*Chen, Y.-Y.**, ... & Wilson-Mendenhall, C. D. (submitted). *Embodying well-being in research: Key principles and praxis*. Preprint: [https://osf.io/preprints/psyarxiv/dfrwt\\_v1](https://osf.io/preprints/psyarxiv/dfrwt_v1)

**In Preparation**

- \*Ujihara, Y., **\*Chen, Y.-Y.**, Kim, S., Kim, T.-E., Kim, S. H., Katz, B., Lee, T.-H., & Kim, I. H. (in preparation). *Control of Attention by Locus Coeruleus Projection to Anterior Cingulate Cortex in Humans and Mice*.
- **Chen, Y.-Y.**, †Kim, H., Li, Q. & Lee, T.-H. (in preparation). *Shared and Distinct Neural Responses During Aggressive and Prosocial Behaviors: A Systematic Review of fMRI Studies Across Adolescence and Young Adulthood*.
- Wicker, P., Richter, C. G., ... **Chen, Y.-Y.** ... (in preparation). *Meta Well-Being: Collective Approaches to Community Care for Emerging Well-Being Scholars*.

**Conference Presentations (Selected) († denotes trainee)**

1. **Chen, Y.-Y.**, Seago, E., Katz, B., & Lee, T.-H. (2025, November). *Attentional plasticity and associated neurophysiological changes in locus coeruleus-salience network connectivity between domain-general and unimodal training paradigms*. Submitted for poster presentation at the Society for Neuroscience (SfN) Annual Meeting 2025, San Diego, CA, USA.
2. Treves, I., **Chen, Y.-Y.**, Wilson, C., Verdonk, C., Qina'au J. ... & Khalsa, S. S. (2025, November). *Minding the Body: A Meta-analysis of the Effects of Mindfulness Meditation Training on Self-reported Interoception*. Submitted for a symposium at the Conference of the International Society for Contemplative Research (ISCR), Chapel Hill, NC, USA.
3. Schaefer, M., Alvarado-Resendiz, T., Moreno, J. M., **Chen, Y.-Y.**, Harb, F., Rahrig, H., Adams, E. V., Richter, C. G., Wilson-Mendenhall, C. D., & Wicker, P. (2025, May). *Dismantling Hierarchy in Academic Workshops to Foster Community and Care: A Qualitative Investigation*. Poseter presented the 2025 Association for Psychological Science (APS) Annual Convention, Washington DC, USA.
4. †Szenas, N., **Chen, Y.-Y.**, & Lee, T.-H. (2025, April). *Validating Behavioral Tasks for Measuring Aggression and Prosociality Using Self-Report Measures*. Poseter presents the 2025 Virginia Tech Dennis Dean Undergraduate Research and Creative Scholarship Conference, Blacksburg, VA, USA.
5. Seago, E., **Chen, Y.-Y.**, Lee, T.-H., & Katz, B. (2024, November). *Family History of Alzheimer's Disease and Locus Coeruleus Activation in Healthy Older and Younger Adults*. Poseter presents at the Gerontology Research Society (GSA) 2024 Annual Scientific Meeting. Seattle, WA, USA.
6. **Chen, Y.-Y.**, Katz, B., Kim, I., & Lee, T.-H. (2024, October). *Task-based functional connectivity of locus coeruleus-salience network and attentional distractibility in young adults*. Nano Symposium Talk at the Society for Neuroscience (SfN) Annual Meeting 2024, Chicago, IL, USA.
7. Kim-Spoon, J., **Chen, Y.-Y.**, Lee, T.-H., Lee, J., Lindenmuth, M., Clinchard C., Lee, J., & Casas, B. (2024, June). *Neural Processing of Cognitive Control Predicts Substance Use Through Altruism*. Poster presented at the 2024 Annual Meeting of the Organization for Human Brain Mapping (OHBM), Seoul, Korea.
8. Lindenmuth, M., **Chen, Y.-Y.**, Lee, T.-H., Melville, N., Casas, K., & Kim-Spoon, J. (2024, April). *Effects of Chronic Maltreatment on Functional Connectivity in Risk Processing Systems*. Poser presented at the Society for Research on Adolescence (SRA), Chicago, IL, USA.
9. **Chen, Y.-Y.**, & Lee, T.-H. (2023, November). *The association between family conflict and children's emotional capacity is mediated by parent-child neural similarity during unpredictable aversive events in youths*. Poster presented at the Society for Neuroscience (SfN) Annual Meeting 2023, Washington DC, USA.

10. <sup>†</sup>Hong, S., **Chen, Y.-Y.**, & Lee, T.-H. (2023, November). *The Role of the Inferior Frontal Gyrus in the Processing of Ambiguity in Emotions: Will Emotional Ambiguity Predict Avoidance Behavior?* Poster presented at the SfN (Society for Neuroscience) Annual Meeting 2023, Washington DC, USA.
11. Lindenmuth, M., **Chen, Y.-Y.**, Lee, T.-H., Melville, N., Casas, B., & Kim-Spoon, J. (2023, November). *Effects of Chronic Maltreatment on Adolescent Functional Connectivity during Risk Processing.* Poster presented at the Developmental Affective Neuroscience Symposium, Pittsburgh, PA, USA.
12. **Chen, Y.-Y.**, <sup>†</sup>Hong, S., Harrison, A., & Lee, T.-H. (2023, March). *Emotional Uncertainty's Effect on Avoidance Behavior in Risky Conflicts.* Poster presented at the 2023 Graduate and Professional Student Senate (GPSS) Research Symposium, Virginia Tech, Virginia, USA.
13. **Chen, Y.-Y.**, <sup>†</sup>Hong, S., & Lee, T.-H. (2023, March). *Children Derive Aggression and Prosociality from Parents in Distinct Ways.* Poster presented at the 2023 Biennial Meeting of the society for research in child development (SRCD), Salt Lake City, Utah, USA.
14. Lindenmuth, M., **Chen, Y.-Y.**, ... & Kim-Spoon, J. (2023, March). *Harshness vs. Unpredictability: Family Income and Functional Connectivity during Cognitive Control during Adolescence.* Poster presented at the 2023 Biennial Meeting of the society for research in child development (SRCD), Salt Lake City, Utah, USA.
15. **Chen, Y.-Y.**, <sup>†</sup>Wang, M., Chen, T.-J., & Lee, T.-H. (2022, May). *Predicting aggressive behaviors in childhood and early adolescence with the socioecological approach: From neighborhoods, parents to the brain.* Poster presented at the 2022 Annual Meeting of Social and Affective Neuroscience Society (SANS), Virtual.
16. <sup>†</sup>Wang, M., **Chen, Y.-Y.**, Chen, T.-J., & Lee, T.-H. (2022, April). *Predicting prosociality in childhood and early adolescence by integrating neighborhoods, parental factors, and the brain.* Poster presented at the Society for Research on Adolescence (SRA) Biennial Meeting, New Orleans, LA.
17. **Chen, Y.-Y.**, Yim, H., & Lee, T.-H. (2021, April). *Children of the Pandemic: Increasing Screen Exposure Time Harms Inhibitory Control Network in Developing Children.* Poster presented at the 2021 Society for Research in Child Development Biennial Meeting, Virtual.
18. **Chen, Y.-Y.**, Neal, J., & Lee, T.-H. (2020, May). *Distracted 'from' their surroundings: excessive functional coupling between salience and default-mode networks in ASD.* Poster presented at the 2020 Annual Meeting of Cognitive Neuroscience Society (CNS), Virtual.
19. **Chen, Y.-Y.**, Chen, C.-C., ... & Gary C.-W. Shyi, (2019, May). *Neural Correlates of Emotional Expression Processing of East-Asian Faces: An fMRI and Dynamic Causal Modeling Investigation.* Poster presented at the 2019 Annual Meeting of Vision Sciences Society (VSS), St. Pete Beach, FL.
20. **Chen, Y.-Y.**, Wang, Y.-H., ... & T. C. Hsieh, (2017, November). *Domestic Violence Risk Prediction and Management: A Public-Private Partnership Approach.* Oral presented at the 2017 annual meeting of American Public Health Association (APHA) 11/04, Atlanta, Georgia, USA.
21. **Chen, Y.-Y.**, Wang, Y.-H., ... & Hsieh, T. C. (2017, September). *Measuring the unmeasurable - a project of domestic violence risk prediction and management.* Oral presented at Data for Good Exchange 2017, 09/24, New York, USA.
22. **Chen, Y.-Y.**, T C.-H., ... & Hsieh, J.-C. (2016, June). *Central Processing of Thermal Pain in Young Women With Primary Dysmenorrhea.* Poster presented at the 2016 Annual Meeting of the Organization for Human Brain Mapping (OHBM), Geneva, Switzerland.
23. **Chen, Y.-Y.** & Gary C. -W, Shyi, (2015, May). *A Comparison of Perceptual and Emotional Expression Processing between Real and Line-drawn Faces.* Poster presented at the 2015 Annual Meeting of Vision Sciences Society (VSS), St. Pete Beach, FL, USA.

## Books

1. Repackage Yourself: Changing makes you become a millionaire (2012/Jan./09). ISBN: 9789868738065

## Media Coverage

1. Interplay Between Brain Networks in Autism (2025/Mar/03) [[Press Link](#)]
2. Screen Time and Adolescent Brain Changes (2023/Mar/23) [[Media Link](#)]
3. Interplay Between Brain Networks in Autism (2022/Feb/22) [[Press Link](#)]
4. Mapping Domestic Violence to Reduce Recidivism (2017/Mar/16) [[Press Link](#)]
5. The First Time Domestic Violence in Taipei City Been Seen (2017/Mar/16) [[Press Link](#)]

## PROFESSIONAL SERVICE & OUTREACH

### Service

1. Reviewer, *The Journal of the American Medical Association (JAMA)* 2025
2. Reviewer, *Developmental Cognitive Neuroscience (DCN)* 2025
3. Reviewer, *The Journal of Child Psychology and Psychiatry (JCPP)* 2024
4. Co-reviewer, *Nature Mental Health*, with Dr. Jungmeen Kim-Spoon 2023
5. Committee member, the Lunch & Learn meetings for graduate students in developmental science 2022-2023
6. Graduate representative of developmental science in the Department of Psychology 2020-2021

### Outreach

1. Meta-Wellbeing Writing Retreat with WeMerge Collective 2025
2. Virginia Tech College of Science Summer Camps for 7th to 12th graders 2025
3. Flip the Fair: A Flipped Science Fair for Underrepresented 5th Graders 2024
4. Virginia Tech College of Science Summer Camps for 7th to 12th graders 2024
5. Plasticity of Emotion Wellbeing Writing Retreat at the University of Wisconsin–Madison 2024
6. Flip the Fair: A Flipped Science Fair for Underrepresented 5th Graders 2023
7. Virginia Tech College of Science Summer Camps for 9th to 12th graders 2023
8. Undergraduate Research Mixer at Virginia Tech 2023

## PROFESSIONAL WORK EXPERIENCE

### Teaching Experience

#### Lecturer

- Undergraduate course taught - PSYC 2034: Developmental Psychology, VT, USA 2025
- Undergraduate course taught - PSYC 2034: Developmental Psychology, VT, USA 2024
- Functional MRI data analysis workshop, VT, USA 2023
- Dynamic Causal Modeling (DCM) for functional magnetic resonance imaging (fMRI) data, Taiwan 2019
- Team teaching: Personal Image Design, Shu-Te University, Taiwan 2019
- Team teaching: Professional English, Shu-Te University, Taiwan 2019

#### Teaching Assistant

- Introductory Psychology, VT, USA 2021 – 2022
- Experiments in Perception, CCU, Taiwan 2018
- Experiments in Physiology, CCU, Taiwan 2014
- Polysomnography (PSG) Setting, Sleep Lab, CCU, Taiwan 2014

### Mentoring

1. **Sofia Atoche Diaz**, Undergrad: Literature review, data analysis 2025 – Present
2. **Hannah Kim**, Undergrad: Literature review, systematic review 2024 – Present
3. **Natalie Szenas**, Undergrad: Questionnaire data scoring, data analysis, poster presentation 2024 – 2025
4. **Kylie Kim**, Undergrad: Research idea development 2022 – 2024
5. **Allauna Harrison**, Undergrad: Data collection, data analysis, writing 2022 – 2024
6. **Marx Wang**, CS Graduate student: Research idea development, data analysis, writing 2021 – 2023
7. **Alexandra Dagli**, Undergrad: Data collection, data analysis, writing 2021 – 2022
8. **Joanne Lee**, Undergrad: Data collection 2021 – 2022
9. **Simran Puri**, Undergrad: Data collection 2021
10. **Sammy Hong**, Undergrad: Experiment material preparation, data collection, data analysis, writing 2020 – 2022
11. **Alise Bondurant**, Undergrad: Experiment material preparation 2019 – 2020
12. **Sara Honaker**, Undergrad: Experiment material preparation 2019 – 2020

### Prior Research Experience

#### Affective Neurodynamics & Development (AND) Lab, VT (PI: Dr. Tae-Ho Lee) 2019 – 2025

- Conducted research projects: Parent-child neural concordance in the tasks of emotion regulation, emotion perception, aggression, prosociality, and facial expression identification
- Main research duties: Experimental design, magnetic resonance imaging (MRI) data collection, MRI scanner operation, psychophysiological signals collection, survey and computer tasks data collection, data analysis, results interpretation, and writing
- Organized cross-discipline and cross-cultural collaborations
- Mentoring undergraduate research assistants: recruitment, conducting research, data analysis, and writing

- Lab skills: MRI, Matlab, R, JASP, E-Prime, Psychtoolbox, BioPAC

**JK Lifespan Development Lab, VT (PI: Dr. Jungmeen Kim-Spoon)**

2022 – 2023

- Conducted National Institute on Drug Abuse (NIDA) granted research project: Neurobehavioral determinants of adolescent risk decision making and health risk behaviors
- Main research duties: 7-year longitudinal functional MRI (fMRI) data analysis, interpreting results, manuscript writing, scripting analysis pipelines, and assisting with the renewal grant application for the longitudinal study
- Trained other graduate students in basic and advanced fMRI data analyses, coding, and visualization of results
- Lab skills: MRI, Matlab, R, JASP

**Center for Research in Cognitive Science, CCU, Taiwan (PI: Dr. Gary C.-W. Shyi)**

2018 – 2019

- Conducted granted research project: A neural-computational approach to investigate multi-modal processing and integration of emotional expressions
- Main research duties: Experimental design, participant recruitment, magnetic resonance imaging (MRI) data collection, data analysis, results interpretation, and writing
- Successfully organized seminars and meetings for four collaborative laboratories from three institutes
- Trained undergraduate and graduate research assistants: participant recruitment, conducting research, and data analysis
- Lab skills: MRI, Matlab, SPM8/12 (GLM, DCM), E-Prime

**Integrated Brain Research Unit, NYMU, Taiwan (PI: Dr. Jen-Chuen Hsieh)**

2014 – 2016

- Research focused on how long-term pain experience affect on the pain processing and pain modulatory systems in human brain
- Main research duties: Collected data analysis, results interpretation, writing, and conducting transcranial direct current stimulation (tDCS) study
- Lab skills: MRI, Matlab, SPM8 (GLM, PPI), SPSS, tDCS

**Visual Cognition Laboratory, CCU, Taiwan (PI: Dr. Gary C.-W. Shyi)**

2013 – 2014

- Completed my undergraduate grant study on face recognition and facial emotional expression processing by using eye-movement and behavioral data
- Main research duties: Experimental design for over three experiments, participant recruitment, eye-movement and behavioral data collection, data analysis, results interpretation, and writing
- Lab skills: PsychoPy, E-Prime, Eye-link, SPSS

**Sleep Laboratory, CCU, Taiwan (PI: Dr. Lin-Lin Tsai)**

2011 – 2014

- Assisted study in whole night sleep deprivation, N2, and/or REM-sleep deprivation
- Main research duties: Setting up and scoring polysomnography (PSG), arranging and processing behavioral data
- Lab skills: EasyIII EEG, Excel

**CONTACT INFORMATION OF REFERENCES****Dr. Tae-Ho Lee, [taehol@vt.edu](mailto:taehol@vt.edu)***Assistant Professor, Department of Psychology, Virginia Tech***Dr. Jungmeen Kim-Spoon, [jungmeen@vt.edu](mailto:jungmeen@vt.edu)***Professor, Department of Psychology, Virginia Tech***Dr. Yang Qu, [yangqu@northwestern.edu](mailto:yangqu@northwestern.edu)***Associate Professor, Human Development and Social Policy, Northwestern University***Dr. Benjamin Katz, [katzben@vt.edu](mailto:katzben@vt.edu)***Associate Professor, Human Development and Family Science, Virginia Tech***Dr. Jen-Chuen Hsieh, [jchsieh@ym.edu.tw](mailto:jchsieh@ym.edu.tw); [jchsieh@vghtpe.gov.tw](mailto:jchsieh@vghtpe.gov.tw)***Distinguished Professor, Institute of Brain Science, National Yang-Ming University***Dr. Gary C.-W. Shyi, [cwshyi@gmail.com](mailto:cwshyi@gmail.com)***Professor, Center for Research in Cognitive Science, National Chung Cheng University*