

## Raluca Diana Szekely-Copindean Curriculum Vitae

### Institutional affiliations:

- Psychology Group, Department of Social & Human Research, Romanian Academy, Cluj-Napoca Branch, 12-14 Mihail Kogălniceanu Street, Cluj-Napoca, CJ 400084, Romania
- Scientific Collective for Research in Neuroscience, Clinical Psychiatric Hospital “Dr. Gh. Preda”, 12 Dr. Dumitru Bagdasar Street, Sibiu, SB 550082, Romania
- Department of Psychology, Faculty of Psychology and Educational Sciences, Babeş-Bolyai University, 37 Republicii Street, Cluj-Napoca, CJ 400015, Romania

### Contact:

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### Profiles:

ResearcherID: <https://www.webofscience.com/wos/author/record/L-4926-2019>

Google Scholar: <https://scholar.google.ro/citations?user=pyPn3EIAAA&hl=ro>

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Open Science Framework: <https://osf.io/rkawb>

ResearchGate: <https://www.researchgate.net/profile/Raluca-Szekely-Copindean>

**Research fields:** Psychology, Cognitive Neuroscience

**Research topics:** moral judgment and decision-making; psychophysiology; emotion

### Professional experience

#### Research experience

Postdoctoral Researcher - Grant LEARN: Longitudinal Educational Achievements: Reducing Inequalities, 2024 - 2027. PI: O. Negru-Subțirică.

Researcher - Data scientist - Scientific Collective for Research in Neuroscience, Clinical Psychiatric Hospital “Dr. Gh. Preda”, Sibiu, Romania, 2022 - present.

Research Scientist (assistant professor level equivalent) – Psychology Group, Department of Social & Human Research, Romanian Academy Cluj-Napoca Branch, 2020 - present.

Research assistant – Psychology Group, Department of Social & Human Research, Romanian Academy Cluj-Napoca Branch, 2018 - present.

Research assistant - Grant PN III P4 ID PCE-2016-08, UEFISCDI: “Shame and Guilt in Borderline Personality Disorder. An Emotion Regulation Approach”, 2017 - 2018. Director: A. Szentagotai-Tătar.

Research assistant - Grant PN II ID PCCE 2011-2-0045, UEFISCDI: “Genetic and environmental factors in emotion regulation development during adolescence: Implications for anxiety disorders and depression”, 2012-2016. Directors: C. MacLeod and A. C. Miu.

Research assistant - Cognitive Neuroscience Laboratory, Department of Psychology, Babeş-Bolyai University, 2008 - present. Supervisor: A. C. Miu, PhD.

#### Teaching experience

Lecturer, Department of Psychology, “Babeş-Bolyai” University, since 2023: Applied Psychophysiology (master’s level).

Teaching assistant, Department of Psychology, “Babeş-Bolyai” University.

2021-2022: Applied Psychophysiology (master's level), taught by prof. Andrei C. Miu.  
2016 - 2019: Introduction to Neuroscience (undergraduate level), taught by prof. Andrei C. Miu.

### **Education**

Master's degree in "Complex data analysis", Faculty of Sociology and Social Work, Babeş-Bolyai University, Cluj-Napoca, 2023.  
Ph.D. in Psychology, Applied Cognitive Psychology Doctoral School, Babeş-Bolyai University, Cluj-Napoca, 2019. Thesis supervisor: Professor Andrei C. Miu.  
Bachelor's degree in Law, Faculty of Law, Babeş-Bolyai University, Cluj-Napoca, 2014.  
Master's degree in "Psychological techniques for behavioral control and human potential optimization", Faculty of Psychology and Educational Sciences, Babeş-Bolyai University, Cluj-Napoca, 2012.  
Bachelor's degree in Psychology, Faculty of Psychology and Educational Sciences, Babeş-Bolyai University, Cluj-Napoca, 2010.

### **Workshops, trainings and mobilities (selection)**

Beyond  $p < .05$ : Modern statistical approaches in psychological science, International Winter School, University of Padova, Italy, 18-22 February 2019.  
Summer Seminars in Neuroscience and Philosophy, Duke University, USA, 21 May- 3 June 2017.  
Course: "Structural equation modelling and longitudinal analyses in MPlus"; course trainer: dr. Elisabetta Crocetti, Cluj-Napoca, Romania, 21-25 March, 2016.  
Doctoral research mobility: University of Oxford; supervisor: prof. Molly Crockett, under the project POSDRU/187/1.5/S/155383- "Quality, excellence, transnational mobility in doctoral research", Oxford, United Kingdom, 1-30 November, 2015.

### **Scholarships and prizes**

"Prof. Florian Ştefănescu-Goangă" Prize for excellence in doctoral research, 2019.  
Participation Scholarship, Beyond  $p < .05$ : Modern statistical approaches in psychological science, International Winter School, University of Padova, Italy, 2019.  
Research Fellowship, Summer Seminars in Neuroscience and Philosophy, Duke University, USA, 2017.  
Prize for "Excellence in research" under the project POSDRU/187/1.5/S/155383- "Quality, excellence, transnational mobility in doctoral research", 2015.  
Doctoral Research Fellowship, Sectoral Operational Programme for Human Resources Development 2007-2013, co-financed by the European Social Fund, under the project POSDRU/187/1.5/S/155383- "Quality, excellence, transnational mobility in doctoral research", 2015.  
Student Research Scholarship, Babeş-Bolyai University, Cluj-Napoca, 2011.

### **Publications**

#### **1. Journals**

Marcu, G. M., **Szekely-Copîndean, R.D.**, Zăgrean, A. (2024). Shared Psychophysiological Electroencephalographic Features in Maltreated Adolescent Siblings and Twins: A Case Report. *Cureus* 16(6), e63269.  
Seucan, D. T., **Szekely-Copîndean, R.D.**, Visu-Petra, L. (2024). Preschoolers' moral judgment and punishment attribution: Longitudinal links to theory of mind and emotion understanding. *Social Development*, e12756.

- Marcu, G.M., Dumbravă, A., Băcilă, C.I., **Szekely-Copîndean, R.D.**, Zăgrean, A.M. (2024). Increasing value and reducing waste of research on neurofeedback effects in post-traumatic stress disorder – A state-of-the-art-review. *Applied Psychophysiology and Biofeedback* 49(1), 23-45.
- Prodan, N., Ding, X. P., **Szekely-Copîndean, R. D.**, Tănăsescu, A., Visu-Petra, L. (2023). Socio-cognitive correlates of primary school children's deceptive behavior toward peers in competitive settings. *Acta Psychologica* 249, 104019.
- Bîlc, M.I., Iacob, A., **Szekely-Copîndean, R.D.** et al. (2023). Serotonin and emotion regulation: the impact of tryptophan depletion on emotional experience, neural and autonomic activity. *Cognitive, Affective, & Behavioral Neuroscience* 23(5), 1414-1427.
- Marcu, G.M., **Szekely-Copîndean, R.D.**, Radu, A.-M., Bucuță, M.D., Fleacă, R.S., Tănăsescu, C., Roman, M.D., Boicean, A. & Băcilă, C.I. (2023). Resting-state frontal, frontolateral, and parietal alpha asymmetry: A pilot study examining relations with depressive disorder type and severity. *Frontiers in Psychology* 14, 1087081.
- Seucan, D. T., **Szekely-Copîndean, R. D.**, Ding, X. P., & Visu-Petra, L. (2022). Give and take: A microgenetic study of preschoolers' deceptive and prosocial behavior in relation to their socio-cognitive development. *Acta Psychologica* 230, 103714.
- Bago, B., Kovacs, M., Protzko, ... **Szekely-Copîndean, R. D.** ... et al. (2022). Situational factors shape moral judgements in the trolley dilemma in Eastern, Southern and Western countries in a culturally diverse sample. *Nature Human Behaviour* 6, 880–895.
- Miu, A. C., Cărnuță, M., Vulturar, R., **Szekely-Copîndean, R. D.**, Bîlc, M. I., Chiș, A., Cioară, M., Fernandez, K. C., Szentágotai-Tătar, A. & Gross, J. J. (2017). BDNF Val66Met Polymorphism Moderates the Link Between Child Maltreatment and Reappraisal Ability. *Genes, Brain and Behavior* 16, 419–426.
- Szekely, R. D.** & Miu, A.C. (2015). Religiosity enhances emotion and deontological choice in moral dilemmas. *Personality and Individual Differences* 79, 104-109.
- Szekely, R.D.** & Miu, A.C. (2015). Incidental emotions in moral dilemmas: The influence of emotion regulation. *Cognition and Emotion*, 29(1), 64-75 .
- Crișan, L.G., Pană,S., Vulturar,R., Heilman,R.M., **Szekely, R.**, Drugă,B., Dragoș, N. & Miu, A.C. (2009). Genetic contributions of the serotonin transporter to social learning of fear and economic decision making. *Social Cognitive and Affective Neuroscience* 4(4), 399-408.

## 2. Chapters

- Szekely-Copîndean, R. D.** (2019). Distorsiuni ale judecăților morale (engl., *Moral judgment biases*). In A. Holman & S. Boncu (Eds). *Cum gândim în viața de zi cu zi?* (engl., *How do we think in everyday life?*) (pp. 154-164). Polirom, Romania.
- Szekely, R. D.** & A. C. Miu (2015). Bridging cognition and emotion in moral decision making: Role of emotion regulation. În M. L. Bryant (Ed.): *Handbook of Emotion Regulation: Processes, Cognitive Effects and Social Consequences*. Nova Science, USA.
- Miu, A.C., Pană, S., Matei, A., **Szekely, R.**, Băbălai, A. (2008). What is neuroscience? A century after Gheorghe Marinescu's *La Cellule Nerveuse*. In D. L. Dumitrașcu, C. Hoțoleanu (Eds.): *Neurosciences. Clinical applications of recent knowledge* (pag. 10-40). Editura Medicală Universitară Iuliu Hațieganu, Cluj-Napoca.

## Conference papers (selection):

- Seucan, D. T., Szekely-Copîndean, R. D., Ding, X. P., & Visu-Petra, L. (2023). *A Microgenetic Study of Preschoolers's Deceptive and Prosocial Behavior in Relation to Their Socio-Cognitive Development*. Annual Conference of the European Association of Psychology and Law (EAPL2023), Cluj-Napoca, Romania.
- Seucan, D., Szekely-Copîndean, R. D., Ding, X. P., Visu-Petra, L. (2021). *A microgenetic study of preschoolers' deceptive and moral behavior. Links with theory of mind*. Biannual conference of the Society for Research in Child Development (online).
- Szekely-Copîndean, R. D., Bostan, C. M., Ion, A., Cioară, M., Constantin, T., & Miu, A. C. (2018). *Big Five Personality Traits and Moral Dilemmas: Contributions of Agreeableness and Conscientiousness*. 1st Annual Doctoral Conference in Psychology and Educational Sciences, Iași, Romania.
- Szekely-Copîndean, R. D. & Miu, A. C. (2017). *Moral judgment and moral choice: the effects of personality traits*. 18th General meeting of the European Association of Social Psychology, Granada, Spain.
- Szekely-Copîndean, R. D. & Miu, A. C. (2017). *Big Five personality traits and moral decisions: Distinctions between judgment and choice*. International Convention of Psychological Science, Vienna, Austria.
- Szekely-Copîndean, R. D. & Miu, A. C. (2016). *Personality in moral judgment and moral choice*. Cognitive and Neural Mechanisms of Human Memory, Cluj-Napoca, Romania.
- Szekely-Copîndean, R. D., Chiș, A., Vulturar, R., & Miu, A. C. (2015). *Genetic influences and childhood trauma in moral decision making*. International Convention of Psychological Science, Amsterdam, The Netherlands.
- Szekely, R. D. & Miu, A. C. (2012). *Emotions in moral dilemmas: Relations to emotion regulation, empathy, and religious values*. Attention and executive functioning in high-trait anxiety. Implications for cognitive and academic performance - Exploratory Workshop, Cluj-Napoca, Romania.
- Szekely, R. D. & Miu, A. C. (2012). *Emotion regulation in high-conflict personal moral dilemmas*. ESF-FENS Conference "The Neurobiology of Emotion", Stresa, Italy.

### **Research skills:**

Advanced data analysis (mixed effects/multilevel models, time series, structural equation modeling, machine learning, natural language processing, signal processing).

Programming languages: R, Python, SQL.

Analysis reporting: RMarkdown, Jupyter Notebooks.

Experimental task setup (OpenSesame, E-Prime and SuperLab softwares).

Open Science practices (preregistration, reproducible analysis pipelines, registered reports, open materials/data/code).

Academic writing.

### **Technical skills:**

Electrophysiological data acquisition (5-year experience operating the Biopac MP150 Data Acquisition System) and analysis (e.g., analysis of ECG and skin conductance recordings using Biopac Acqknowledge Software; heart rate variability analysis in Python).

Functional near infrared optical brain imaging (basic knowledge in data acquisition using Biopac fNIR device).

### **International research networks:**

External affiliate of the Consortium on Moral Decision-Making (<https://moralconsortium.psu.edu/members/raluca-d-szekely-copindean/>).

Member of the *Psychological Science Accelerator* (<https://psysciacc.org/>).

Member of the Collaborative Open-science and Meta REsearch (CORE) Team, (<https://mgto.org/core-team/>).

**Editorial activity:**

Associate editor, *Cognition, Brain, Behavior. An Interdisciplinary Journal*, Romania, 2022-present.

**Ad-hoc reviewer:** *European Journal of Social Psychology, Psychology of Religion and Spirituality, Identity, Personality and Social Psychology Bulletin, Journal of Personality and Social Psychology, Thinking and Reasoning, Frontiers in Psychology, Cognition, Brain, Behavior. An Interdisciplinary Journal.*