

Research Positions

Sep 2024 - Present	Lecturer (Assist. Prof) in Decision Making	University of Leeds
Jun 2023 - Aug 2024	Postdoctoral Researcher Chair: Robert Böhm.	University of Vienna
Jan - Jun 2023	Research Associate I completed several research projects and conducted work with Dr Henrik Singmann.	University of Warwick
Nov 2020 - Jan 2021	Behaviour Change Team, Cory COVID-Bot I conceived, designed and implemented behaviour change interventions for a COVID-19 chatbot.	Monash University
2019	Research Assistant Writing, and experimental and analysis programming.	Central European University

Education

2019 - 2023	<i>PhD</i> - Monash University & University of Warwick Departments of Philosophy and Psychology (Defended on: 20 March 2023) Supervisors: Prof. Jakob Hohwy, Dr Lukasz Walasek, Prof. Antonio Verdejo-García Thesis: <i>Manifestations of impulsivity and self-control</i>
2017 - 2018	<i>MSc. Behavioural and Economic Science (Distinction)</i> - University of Warwick Departments of Psychology and Economics
2013 - 2017	<i>BSc. Economics and Business Economics</i> - Erasmus University Rotterdam Department of Economics

Publications

- Van Baal, S.T., Bogdanski, P., Daryanani, A., Walasek, L., Newall, P. (2024). The lived experience of gambling-related harm in natural language. Forthcoming in *Psychology of Addictive Behaviours*. <https://doi.org/10.31234/osf.io/x5edg>.
- Van Baal, S.T., Le, S.T.T., Fatehi, F., Verdejo-García, A. & Hohwy, J. (2024). Effecting behaviour change using an artificial intelligence chatbot: A pilot randomised controlled study. Forthcoming in *Journal of Public Health Policy*. <https://doi.org/10.31234/osf.io/2xu4t>
- Van Baal, S.T., Hohwy, J., Konstantinidis, E., Verdejo-García, A., Walasek, L. (2023). Fenneman, Frankenhuys, and Todd's (2022) review of formal impulsivity models: Implications for theory and measures of impulsivity. *Psychological Bulletin*. <https://doi.org/10.1037/bul0000404>
- Van Baal, S.T., Verdejo-García, A., & Hohwy, J. (2023). Episodic future thinking and compassion reduce public health guideline noncompliance urges: A randomised controlled trial. *BMC Public Health*. <https://doi.org/10.1186/s12889-023-15031-0>
- Van Baal, S.T., Walasek, L., & Hohwy, J. (2022). Modelling pandemic behaviour using an economic multiplayer game. *Scientific Reports*. <https://doi.org/10.1038/s41598-022-17642-w>
- Van Baal, S.T., Moskovsky, N., Hohwy, J., & Verdejo-García, A. (2022). State impulsivity amplifies urges without diminishing self-control. *Addictive Behaviors*. 133. <https://doi.org/10.1016/j.addbeh.2022.107381>
- Van Baal, S.T., Le, S.T.T., Fatehi, F., Hohwy, J., & Verdejo-García, A. (2022). Cory COVID-Bot: An Evidence-Based Behavior Change Chatbot for COVID-19. *Studies in Health Technology and Informatics*. 289, 422-425. <https://doi.org/10.3233/SHTI210948>
- Van Baal, S.T., Walasek, L., Karanfilovska, D., Cheng, A. C., & Hohwy, J. (2022). Risk perception, illusory superiority and personal responsibility during COVID-19: An experimental study of attitudes to staying home. *British Journal of Psychology*. 00, 1-22. <https://doi.org/10.1111/bjop.12554>
- Hanegraaf, L., Van Baal, S.T., Hohwy, J., & Verdejo-García, A. (2021). A Systematic Review and Meta-Analysis of

‘Systems for Social Processes’ in Borderline Personality and Substance Use Disorders. *Neuroscience & Biobehavioral Reviews*, 127, 572–592. <https://doi.org/10.1016/j.neubiorev.2021.04.013>

Michael, J., & Van Baal, S.T. (2021). Key themes in recent research on interpersonal functioning in borderline personality disorder. *Current Opinion in Psychiatry*, 34(1), 44–47. <https://doi.org/10.1097/YCO.0000000000000649>

Westra, E., Terrizzi, B. F., Van Baal, S.T., Beier, J. S., & Michael, J. (2020). Beyond avatars and arrows: Testing the mentalizing and submentalizing hypotheses with a novel entity paradigm. *Quarterly Journal of Experimental Psychology*. <https://doi.org/10.1177/17470218211007388>

Works Under Review

Bhatia, S., Van Baal, S.T., Walasek, L. (2024). The Structure of Everyday Choice: Insights from 100K Real-life Decision Problems. <https://doi.org/10.31234/osf.io/hzv7c>

Van Baal, S.T., Robinson, A., Prouzeau, A., Petratos V., Connors, M., Mahlberg, J., Verdejo-García, A. Episodic future thinking in virtual reality changes time preferences.

Van Baal, S.T., Walasek, L., Verdejo-García, A., Hohwy, J. (2022). Impulsivity and self-control as timeless concepts: A conceptual analysis of preferences in intertemporal choice. <https://doi.org/10.31234/osf.io/vtx8y>

Works in Progress

Van Baal, S.T., Walasek, L., Bhatia, S., Self-control problems in real life: A natural language processing approach.

Van Baal, S.T., Konstantinidis, E., Zhao, J. W., Michael, J., Read, D., Hohwy, J. & Walasek, L. Directed deliberation alters intertemporal choice.

Supervision & Teaching

2023–2024	Teaching (as part of postdoctoral position) <i>MSc Economic Psychology: Theory and Empirical Research</i> Teaching students how to conduct a research project, from conceptualisation to analysis and writing.	University of Vienna
2022	Guest Lectures <i>Methods and Analysis in Behavioural Science</i> Two one-hour lectures on using project organisation, R Projects, and GitHub for reproducibility.	University of Warwick
2022	Graduate Teaching Assistant <i>Methods and Analysis in Behavioural Science</i> Programming in R for statistical analysis.	University of Warwick
2021	Honours Thesis Supervisor Verity Petratos – <i>Episodic future thinking in virtual reality</i> . Student received High Distinction.	Monash University
2019–2020	Sessional Teacher <i>Critical Thinking & Critical Thinking Intensive</i> On identifying and evaluating arguments. Top 5% student satisfaction. <i>Life, Death, and Morality</i> Utilitarianism, deontology and their applications.	Monash University

Funding & Awards

2024	Support Grant Faculty of Psychology University of Vienna	€1.000,-
2024	Applied to <i>1000 Ideas Programme</i> FWF Austria	TBA
2023	Post-Doc Award Faculty of Psychology, University of Vienna	€2.500,-
2023	Applied to <i>Disruptive Innovation</i> FWF Austria	Unsuccessful
2023	Institute of Advanced Studies, Early Career Fellowship 1-year grant Declined due to other employment opportunity.	
2021	Victorian Department of Health and Human Services Investigators: Le, S.T.T., Verdejo-Garcia, A., Hohwy, J., Buntine, W., Turner, S., Fatehi, F., Hunter, J., Van Baal, S.T. , & White, S. Project: <i>Cory COVID-Bot</i> The development and implementation of behaviour change interventions for Cory COVID-Bot, a chatbot aiming to educate people on COVID-safe behaviour.	\$89.000
2020	Monash University Department of Philosophy Chief Investigator: Hohwy, J. Funding for researching attitudes, behaviours, and social norms during the pandemic.	\$3.000
2019 - 2022	Monash Warwick Alliance PhD Scholarship Chief Investigators: Hohwy, J. & Walasek, L. Project: <i>Manifestations of Impulsivity and Self-Control</i> Disentangling the relationship between impulsivity and self-control, how they are measured, and how the study of these concepts could be improved.	

Talks

Workshop: Using natural language models in data analysis.

Departmental workshop: Occupational, Economic, and Social Psychology, University of Vienna (2024)

Studying behaviour in context using large language models

Invited talk at the University of Milan (2024)

Invited guest lecture at the University of the West Indies, St. Augustine Campus (2024)

Directed Deliberation Alters Intertemporal Choice

Extended talk at Subjective Probability, Utility, and Decision Making (SPUDM, 2023)

Dissociating Impulsivity, Self-Control, and Time Preferences

Computational Behavioural Science Lab, University of Warwick (2023)

Directing Deliberation in Intertemporal Choice

Warwick Modelling and Behaviour Lab (2022)

Cory COVID-Bot: an evidence-based behaviour change chatbot for COVID-19.

19th International Conference on Informatics, Management and Technology in Healthcare (2021), Athens, Greece

Staying home so you can keep going out: A multiplayer self-isolation game modelling pandemic behaviour.

ESRC MGS Conference (2021), Birmingham, United Kingdom

Staying home so you can keep going out: A multiplayer self-isolation game modelling pandemic behaviour.

Western Economic Association International - 96th Annual Conference (2021), Honolulu, Hawaii

Commitment Corrupts

Western Economic Association International – 15th International Conference (2019), Tokyo, Japan.

Membership

2022-2023	Society for Judgment and Decision Making
2019-2021	Western Economic Association International
'19-'20, '23-present	European Association for Decision Making

Service to Profession

Selection:

2024	Lab Manager – Department of Occupational, Economic, and Social Psychology
2023	Peer review – <i>JoBM</i> & <i>JEP:Gen</i>
2022	Organiser – Judgment and Decision-Making Reading Group (University of Warwick)
2022	Member of peer review community (4 reviews conducted) – <i>Seeds of Science</i>
2022	Ad-hoc peer review – <i>SS&M</i>
2021	Ad-hoc peer review – <i>Philosophy of Medicine</i>
2020	Ad-hoc peer review – <i>Applied Psychology</i>