

Curriculum Vitae Philipp Schmid

Behavioural Scientist at Psychology and Infectious Diseases Lab (PIDI Lab); University of Erfurt

Interim Lecturer for Statistics and Methods at the Department of Psychology; University of Erfurt



CURRENT WORK ADDRESS

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Sex m | Date of Birth 11/12/1988 | Nationality German

EDUCATION

10.2015 – thesis submitted:
pending evaluation

PhD Program Psychology

University of Erfurt (Thuringia, Germany)

Thesis: *“Effective Strategies to Counter Science Denialism in Public.”*
Supervisor: Prof. Dr. Cornelia Betsch

10.2013 – 08.2015

Master of Science (M.Sc.) Psychology

University of Erfurt (Thuringia, Germany).

Master – Thesis: *“The Influence of Social Norms on Vaccine Intentions.”*
Master grade: 1,0

10.2010 – 08.2013

Bachelor of Arts (B.A.) Psychology/Philosophy

University of Erfurt (Thuringia, Germany).

Bachelor – Thesis: *“On Culturally Sensitive Health Communication and the Influence of Collectivism on Vaccine Intentions.”*
Bachelor grade: 1,3

08.2001 – 07.2008

Abitur - Higher education entrance qualification

Graf- Anton-Günther Highschool (Lower Saxony, Germany).

Advanced courses: physics, biology, german language

Abitur grade: 1,9

Affiliation in the german physical society (DPG) for school performance in physics.

EMPLOYMENT

02.2020 – current

University of Erfurt – Interim lecturer for statistics and methods

Description: *Teaching bachelor and master courses on statistics and research methods at the Department of Psychology of the University of Erfurt. Courses include seminars and lectures on basic and advanced level. The content of the courses includes but is not limited to:*

- *t-test*
- *ANOVA*
- *Linear Regression*
- *Metaanalysis*
- *Non-parametric tests*
- *MANOVA*
- *Logistic Regression*
- *Confidence Intervals*
- *Factor analysis*
- *ANCOVA*
- *Multilevel Regression*
- *Limits of significance testing*

- 10.2016 – 02.2020 **University of Erfurt – Research fellow**
- Project: *“Impfen 60+: Influenza and Pneumococcal Vaccination and Sepsis Prevention. In this joint project with the Robert Koch Institute, the Universitätsklinikum Jena and Lindgrün GmbH we will create and evaluate an evidence informed intervention to address vaccine hesitancy regarding influenza and pneumococcal vaccination in the elderly.”*
- Project manager: Prof. Dr. Cornelia Betsch
- Funding: Bundesministerium für Bildung und Forschung (BMBF), Konsortium InfectControl2020 with Uniklinikum Jena, Robert Koch-Institut, Lindgrün GmbH
- 11.2015 – 09.2016 **University Hospital Hamburg-Eppendorf – Research fellow**
- Project: *“Increasing Influenza Vaccine Uptake: Targeting Health-Care Personnel.”*
- Project manager: Prof. Dr. Cornelia Betsch, Prof. Dr. Ansgar Lohse, Prof. Dr. Marylyn Addo, Prof. Dr. Robert Böhm
- Funding: Deutsches Zentrum für Infektionsforschung (DZIF), TTU 01.913_00
- 08.2012 – 10.2015 **University of Erfurt – Research assistant**
- Project: *“The Impact of Narrative Information from the Internet on the Assessment of Risk Regarding Infant and Toddler Vaccination.”*
- Project manager: Prof. Dr. Cornelia Betsch, Universität Erfurt
- Funding: Grant German Research Foundation (DFG), BE 3970/4-1
- 02.2011 – 07.2012 **University of Erfurt – Research assistant**
- Project: *“The Impact of Narrative Information from the Internet on the Assessment of Risk Regarding Infant and Toddler Vaccination II – Moderators and Processes.”*
- Project manager: Prof. Dr. Cornelia Betsch, Universität Erfurt
- Funding: Grant German Research Foundation (DFG), BE 3970/4-2
- 07.2008 – 03.2009 **Military service**
- Medical soldier at the military hospital Westerstede (Lower Saxony, Germany).

GRANTS AND PROJECTS

- 2016 **World Health Organization, Headquarters**
- Development of a discussion paper on influenza vaccination hesitancy
With Prof. Dr. Cornelia Betsch , University of Erfurt; 24.106 US\$

SCIENTIFIC CONSULTANT

- 2020 **World Health Organization, Headquarters**
- Ad-hoc technical consultation on managing COVID-19 infodemics. Related talk: Schmid, P. (2020). *Effective Strategies to Counter Science Denialism in Public*. WHO ad-hoc technical consultation on managing the COVID-19 infodemic, Geneva (Switzerland and online)
- 2015 – 2019 **World Health Organization, Regional Office for Europe**
- Development of a guide on how to respond to vaccine deniers in a public debate or interview
With Prof. Dr. Noni MacDonald, Dalhousie University Canada.
- Organization and implementation of WHO workshops on addressing vaccination opposition (2016: Belgrade, Serbia; 2016: Copenhagen, Denmark; 2017: Copenhagen, Denmark; 2017: Stuttgart, Germany; Berlin, Germany, 2018). Workshops were attended by national immunization managers of 17 different Member States.

INTERNSHIPS

- 05.2015 – 07.2015 **World Health Organization, Regional Office for Europe**
Project: “How to Respond to Vaccine Deniers”
Project manager: Robb Butler, Katrine Haabersaat, WHO Regional Office Europe
- 04.2013 – 06.2013 **University of Bern, Institute of Psychology**
Project: “The Impact of Dominance Cues in Faces on Backlash Effects”
Project manager: Prof. Dr. Sabine Sczesny, University of Bern
- 08.2011 – 10.2011 **Robert Koch-Institut Berlin**
Project: “How to Communicate with Anti-Vaccine Activists”
Project manager: Dr. Ole Wichmann

SCHOLARSHIPS

- 04.2013 – 08. 2015 **Scholarship German National Academic Foundation (Studenstiftung des deutschen Volkes)**
Affiliation in Germany's largest organisation sponsoring students of outstanding academic achievements. It is non-political and non-denominational.

PUBLICATIONS

- In peer reviewed journals
- Betsch, C., Wieler, L.H., Habersaat, K. and the COSMO group (2020). Rapid, flexible, cost-effective monitoring tool for behavioural insights related to COVID-19 across countries. *The Lancet*.
- Haase, N., Schmid, P., & Betsch C. (2019): Impact of disease risk on the narrative bias in vaccination risk perceptions, *Psychology & Health*. <https://doi.org/10.1080/08870446.2019.1630561>
- Schmid, P., & Betsch, C. (2019). Effective strategies for rebutting science denialism in public discussions. *Nature Human Behaviour*. <https://doi.org/10.1038/s41562-019-0632-4>
- Betsch, C., Böhm, R., Schmid, P., Korn, L., Steinmeyer, L., Heinemeier, D., Eitze, S. & Küpke, N.K. (2019). Impfverhalten psychologisch erklären, messen und verändern. *Bundesgesundheitsblatt*, 1-10. <https://doi.org/10.1007/s00103-019-02900-6>
- Betsch C, Schmid P, Heinemeier D, Korn L, Holtmann C, Böhm R (2018) Beyond confidence: Development of a measure assessing the 5C psychological antecedents of vaccination. *PLoS ONE* 13(12): e0208601. <https://doi.org/10.1371/journal.pone.0208601> Open Data Open Material
- Betsch, C., Rossmann, C., Pletz, M.W., Vollmar, H.C., Freytag, A., Wichmann, O., Hanke, R., Hanke, W., Heinemeier, D., Schmid, P., Eitze, S., Weber, W., Reinhardt, A., Küpke, N.K., Forstner, C., Fleischmann-Struzek, C., Mikolajetz, A., Römhild, J., Neufeind, J., Rieck, T., Suchecka, K., Reinhart, K. (2018). Increasing influenza and pneumococcal vaccine uptake in the elderly: Study protocol for the multi-methods prospective intervention study Vaccination60+. *BMC Public Health*, 18(1), 885. doi: 10.1186/s12889-018-5787-9
- Betsch, C., Bödeker, B., Schmid, P., & Wichmann, O. (2018). How baby's first shot determines the development of maternal attitudes towards vaccination. *Vaccine*, 36(21), 3018-3026.
- Schmid, P., MacDonald, N. E., Habersaat, K., & Butler, R. (2018). Commentary to: How to respond to vocal vaccine deniers in public. *Vaccine*, 36, 196-198. doi: <https://doi.org/10.1016/j.vaccine.2016.09.065>
- Schmid P, Rauber D, Betsch C, Lidolt G, Denker M-L (2017) Barriers of Influenza Vaccination Intention and Behavior – A Systematic Review of Influenza Vaccine Hesitancy, 2005 – 2016. *PLoS ONE* 12(1): e0170550. <https://doi.org/10.1371/journal.pone.0170550> Open Data
- Betsch, C., Haase, N., Renkewitz, F. & Schmid, P. (2015). The narrative bias revisited: What drives the

biasing influence of narrative information on risk perceptions? *Judgment and Decision Making*, 10, 241-264.

Betsch, C. & Schmid, P. (2012). Angst essen Impfbereitschaft auf? Der Einfluss kognitiver und affektiver Faktoren auf die Risikowahrnehmung im Ausbruchsgeschehen. [The influence of cognitive and affective aspects of risk perception during outbreaks.] *Bundesgesundheitsblatt*, 56, 124-130.

Reports World Health Organization, Regional Office for Europe (2017). Vaccination and trust - How concerns arise and the role of communication in mitigating crises. Authored by Cornelia Betsch, Constanze Rossmann, Katrine Bach-Habersaat, Philipp Schmid, Cindy Holtmann, Lars Korn, Jascha Wiehn, Linda Mummer.

World Health Organization WHO. 2016. How to respond to vocal vaccine deniers. Authored by Schmid P., MacDonald NE. Available online: <http://www.euro.who.int/en/health-topics/disease-prevention/vaccines-and-immunization/publications/2016/best-practice-guidance-how-to-respond-to-vocal-vaccine-deniers-in-public-2016>

Book chapters Betsch, C., Schmid, P., Holtmann, C., Heinemeier, D. & Korn, L. (2018). *Erklärung und Veränderung von Präventionsverhalten*. In: Kohlmann, C.-W., Salewski, C., Wirtz, M. A. (Hrsg.) (2018). *Psychologie in der Gesundheitsförderung*. Bern: Hogrefe.

Others Schmid, P. (2019). Behind the paper: Experiences with open science practices. community forum natureresearch. Available at: <https://socialsciences.nature.com/users/262518-philipp-schmid/posts/50129-did>

Schmid, P. (2016). Impfmüdigkeit. *Skeptiker*, 04, 169-173

AD HOC REVIEWER

Bundesgesundheitsblatt
PLoS ONE
Medical Decision Making (MDM)
Vaccine
Social Science & Medicine
Environmental Psychology
American Journal of Public Health
European Journal of Health Communication

PRIZES AND AWARDS

Awards 1.prize: University-wide competition by the Federal Centre for Health Education (BZgA) Developing a concept for a browser-game (Serious Games for Health) addressing the measles vaccination. Licenced BZgA.

TALKS

Schmid, P. (2020). *Effective Strategies to Counter Science Denialism in Public*. WHO ad-hoc technical consultation on managing the COVID-19 infodemic, Geneva (Switzerland and online)

Schmid, P. (2020). *Medizinmythen wirksam entkräften*. Europäisches Forum für Evidenzbasierte Prävention, Perchtoldsdorf (Austria).

Schmid, P. (2019). *Rebutting fake news around vaccination – A psychological perspective*. XVI International Update Seminar On Vaccines – Balmis Instituto, Almeria (Spain).

Schmid, P. (2019). *Fake-News zum Thema Impfungen bekämpfen – eine psychologische Perspektive*. Turnusärztekongress, Vorarlberg (Austria).

Schmid, P., Betsch, C., (2019). *Advocating for science: How to rebut science denialism in public discussions*. 21st Conference of the European Society for Cognitive Psychology, Tenerife (Spain).

- Schmid, P., Schwarzer, M., Betsch, C., (2019). *Neutralizing the false-balance effect – How media can support rebuttal of misinformation about vaccination*. European Health Psychology Society Annual Conference, Dubrovnik (Croatia).
- Schmid, P. (2019). *Health communication in a post-truth era*. Keynote Behavioural Insights Summer School, Erfurt (Germany).
- Schmid, P. (2019). *Fake News – Rhetorische Fallen erkennen und vermeiden*. Nationale Impfkongferenz, Hamburg (Germany).
- Schmid, P., (2019). FakeNews und Mythen im Impfwesen entkräften –was funktioniert? Ein psychologischer Blick. Impfgespräche aks Gesundheit Vorarlberg, Bregenz (Austria).
- Schmid, P., (2018). FakeNews und Mythen im Gesundheitsbereich entkräften –was funktioniert? Ein psychologischer Blick. Herbstsymposium IQWiG, Köln (Germany).
- Schmid, P., Betsch, C., (2018). How to respond to persuasive messages of vaccine deniers in public debates. The Risk and Uncertainty Conference (RUC), Amsterdam (Netherlands).
- Schmid, P., Betsch, C., (2018). How to respond to persuasive messages of vaccine deniers - Experimental verification of a two-dimensional debunking strategy. International Meeting of the Psychonomic Society, Amsterdam (Netherlands).
- Schmid, P., Betsch, C., (2018). Debunking of persuasive messages of vaccine denial; An empirical verification of a two dimensional debunking strategy [Persuasive Botschaften von Impfgegnern entkräften; Experimentelle Überprüfung einer zweidimensionalen Debunking Strategie] Update 2. Kongress der Deutschen Gesellschaft für Psychologie (DGPS), Frankfurt (Germany).
- Schmid, P., Betsch, C., (2018). Fake news und Mythen im Gesundheitsbereich entkräften. Was funktioniert? Ein psychologischer Blick. Herbstsymposium Institut für Qualität und Wirtschaftlichkeit im Gesundheitswesen. (IQWiG), Köln (Germany).
- Schmid, P., Betsch, C., (2018). How to respond to vocal vaccine deniers in public. Fondation Merieux: Strategies to Increase Vaccine Acceptance and Uptake, Annecy (France).
- Schmid, P., Betsch, C., (2017). Debunking of persuasive messages of vaccine denial; An empirical verification of a two dimensional debunking strategy [Persuasive Botschaften von Impfgegnern entkräften; Experimentelle Überprüfung einer zweidimensionalen Debunking Strategie] Update 1. 2. Jahrestagung der DGpuK - Fachgruppe Gesundheitskommunikation, Erfurt (Germany).
- Schmid, P., Betsch, C., (2017). Debunking of persuasive messages of vaccine denial; An empirical verification of a two dimensional debunking strategy [Persuasive Botschaften von Impfgegnern entkräften; Experimentelle Überprüfung einer zweidimensionalen Debunking Strategie]. Kongress für Gesundheitspsychologie (DGPS), Siegen (Germany).
- Schmid, P., Betsch, C., (2017). Impfcompliance – Psychologische Erklärungs- und Interventionsansätze. 31. Freiburger Symposium Arbeitsmedizin im Gesundheitsdienst, Freiburg (Germany).
- Schmid, P., Betsch, C., (2017). Vaccination; A social decision. [Impfen als soziale Entscheidung]. 25. Jahrestagung der Deutschen Gesellschaft für Pädiatrische Infektiologie e. V. (DGPI), Dresden (Germany).
- Schmid, P., Betsch, C., (2016). Vaccine Scepticism, Vaccine Criticism, Vaccine Hesitancy, [Impfskepsis, Impfkritik, Impfmüdigkeit]. Workshop des ÄKBV Ärztlicher Kreis- und Bezirksverband München, München (Germany).
- Schmid, P., Betsch, C., (2016). The Four Reasons of Vaccine Refusal – Development of a Measurement Tool. [Die 4 Gründe von Impfverweigerung – Entwicklung und Validierung eines

Messinstruments]. Kongress der Deutschen Gesellschaft für Psychologie (DGPS), Leipzig (Germany).

Schmid, P., Betsch, C., (2016). Hesitancy Issues for Influenza Vaccination: A Literature Review. Third WHO Consultation on Global Action Plan for Influenza Vaccines (GAP III). Geneva (Switzerland).

Schmid, P., Betsch, C., (2016). Psychology of Vaccine Decision Making [Die Psychologie der Impfscheidung] in Vaccination in Austria – Status Quo and Quo Vadis. Forum Alpbach, Alpbach (Austria).

SELECTED PRESS COVERAGE

- 2020
- El Pais. Negacionistas de la catástrofe. Report 03.04.2020 by Angeles Lucas
<https://elpais.com/internacional/2020-04-02/negacionistas-de-la-catastrofe.html>
- FAZ. Wieso glauben so viele Menschen den Ärzten nicht mehr? Report 20.03.2020 by Anna Vollmer:
https://www.faz.net/aktuell/stil/leib-seele/corona-und-verschwoerungen-warum-menschen-den-aerzten-nicht-glauben-16684470.html?printPagedArticle=true&fbclid=IwAR22m65VQYGlkyOuCbYV22pgE-MRXINldf_5l15PUjy2PGdyq4o728ixE#pageIndex_2
- MedWatch. Wie Kommunen Stimmung gegen das Impfen machen. Report 12.03.2020 by Hinner Feldwisch-Drentrup: <https://medwatch.de/2020/03/12/wie-kommunen-stimmung-gegen-das-impfen-machen/>
- 2019
- Der Tag – Deutsche Welle TV. Gast des Tages – Philipp Schmid. Live-Interview by Jens Olesen.
<https://www.youtube.com/watch?v=DDASE4mZTWw>
- Universität Erfurt. Philipp Schmid sagt Falschinformationen den Kampf an. Interview:
<https://weltbeweger.uni-erfurt.de/2019/08/14/weltbeweger-philipp-schmid/>
- Bento. Der Mann, der es mit jedem Impfgegner aufnimmt. Interview by Jan Petter
- Apothekenumschau. Medizin-News richtig einschätzen. Report 17.05.2019 by Sonja Gibis
- El Pais. Cómo combatir patrañas en público. Reports 03.07.2019 by Javier Salas
https://elpais.com/elpais/2019/06/26/ciencia/1561557382_432124.html
- SWR2 Wissen. Impfen – Warum sind Eltern dagegen? By Volkarth Wildermuth
- Scientific American. How to Debate a Science Denier. Report by Diana Kwon.
- Arstechnica. Two tactics effectively limit the spread of science denialism. Report by Cathleen O’Grady
Nieman Journalism Lab. Yes, it’s worth arguing with science deniers — and here are some techniques you can use. Report by Laura Hazard Owen.
- FAZ Frankfurter Allgemeine Zeitung. Nicht den Falschen das Feld überlassen. Comment by Sibylle Anderl
- TA Thüringer Allgemeine. Strategien gegen Fake-News.
- 2018
- ServusTV Im Kontext: Die Reportage –Streit ums Impfen ein gefährlicher Glaubenskrieg. By Christian May and Elisabeth Woditschka
- Science Media Center. Dokumentation „Eingeimpft“ und eine Art wissenschaftliche Rezension. Statement.
- 2017
- Bulletin of the World Health Organization. Communicating science-based messages on vaccines. Report and Interview by Tatum Anderson

ADDITIONAL ACHIEVEMENTS

02.2017 3.Dan German Karate Association (DKV)
Third black belt grading in karate DKV. examiner: Lothar Rathcke, Fritz Nöpel.