Anne Schwerk, Prof.

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WORK EXPERIENCE

07/2025 – **today**

SENIOR MANAGER – TRUSTWORTHY AI – Accenture, Berlin

+ Advisory & Strategy: AI governance and compliance (e.g., EU AI Act)
+ Risk & Compliance Leadership: AI risk assessments & audits
+ Innovation Enablement: lead for cross-functional teams
+ Thought Leadership: Contributes to Accenture's global initiatives on responsible AI; co-authored white papers and speaker
+ Collaboration & Ecosystem: Work with technical, legal, and policy experts to shape AI assurance strategies; life science network building

06/2024 – 06/2025

LEAD TBASE ROLLOUT – Charité University, Berlin Insitute of Health, Berlin

+ Management of TBase rollout activities within Charité and in Germany
+ National & international network development
+ Management of Screen4Care: Responsible AI Innovation for Rare Diseases
+ Management of NUM4Rare project within Netzwerk Universitätsmedizin (NUM)
+ Proposal writing & strategic vision

02/2023 – **today**

PROFESSOR ARTIFICIAL INTELLIGENCE – IU International University of Applied Sciences, Berlin (primarily remote work)

+ Deputy Department Head: IT and Enginnering
+ Course module responsibility, teaching, thesis supervision, and examination
+ Study program/ course establishment: AI in Business, AI in Healthcare, Ethics and Legal Aspects in AI, NLP and LLMs, Generative AI in Business
+ Course book publishing: e.g. AI in healthcare, NLP and LLMs
+ Research incubator management: VR, ML and emotion modulation

08/2022 – 05/2024

HEAD OF SCIENTIFIC MANAGEMENT – BCRT (Berlin Insitute of Health), Berlin

+ Scientific, strategic, and administrative management of the research center
+ Team management and responsibility for 12 employees
+ Expansion of the IT infrastructure and digital applications
+ Expansion of national and international networks in science and industry

05/2020 – 07/2022

SENIOR IT PROJECT MANAGER AI – CENTOGENE AG, Berlin, Germany

+ Team lead for 5 Machine Learning Experts
+ Management of AI projects and ML implementations
+ Rare diseases and metabolomics research & grant writing
+ Software deployment and infrastructure management & opimization
+ Management of partners and service providers
+ Interaction with regulatory, bioinformatics, and medical departments
+ Health-i Award for CentoMetabolome™- (1 and 2)

02/2018 – 04/2020

PROJECT MANAGER AI - HEALTH – DFKI, Berlin

+ End-to-end project management of AI – Health projects
+ Management of collaborations, workshops, and partners

+ Lecturing at TU Berlin: IMSEM – Seminar Hot Topics in Information
+ Invited delegational visit to Stockholm:'Joining Forces - European AI in Health', German Ministry of Health (Referent Niklas Kramer), December 2019

10/2017 – 01/2018 **SCIENTIFIC EDITOR & WRITER** – Upwork, self employed

10/2015 – 09/2017 **RESEARCH ASSISTANT** – TNO, Leiden, NL

+ Projectmanagement, client management and data reporting
+ Topics : Digital pathology, image analysis, diagnostic biomarker

07/2015 – 09/2015 **SCIENTIFIC WRITER** – Maya World Trading, Amsterdam, NL

+ Literature analysis, text editing and writing, market research

EDUCATION

08/2010 – 10/2015 **PH.D. MEDICAL NEUROSCIENCES** - International Graduate Program Medical Neurosciences, Charité, Berlin

+ Grade: *Summa cum laude*, supervision: Dr. Steiner, Charité, Berlin
+ Dissertation: Mesenchymal stem cell delivery in Parkinson's disease

09/2007 – 08/2010 **M.S. NEUROSCIENCE** - Vrije Universiteit, Amsterdam, the Netherlands

+ Traineeship: Neuroadaption of nicotine relapse, Prof. de Vries, Amsterdam
+ Traineeship: Inhibitory control in addiction, Prof. Yücel, Melbourne, Australia

10/2004 – 08/2007 **B.S. CLINICAL AND COGNITIVE NEUROPSYCHOLOGY** - Vrije Universiteit, Amsterdam, NL. Thesis: Prenatal stress effects on ADHD, Prof. Oosterlaan

BOARDS

01/2025 German Data Science Society

2016 – **today** Charité Ph.D Medical Neurosciences Alumni, Berlin

2020 – **today** Be-light Technology, Be Light GmbH Berlin (siehe: https://www.be-light.app/)

04/2021 – 10/2023 WeTechnology, Amsterdam, NL (siehe: www.we-technology.work)

PANEL DISCUSSIONS

German Data Science Herbsttagung

20/03/2025 Quo vadis, KI in Europa? Coeo, Mindspace, Berlin

10/04/2024 Generative AI and Explainability: cracking open the Black Box. KI Bundesverband Dialogsession auf der DMEA, Berlin

24/11/2023 Fueling European Innovation with AI. Hidden AI: Wie KI unseren Alltag bestimmt. Bundesministerium für Digitales und Verkehr (BMDV), Parkhotel Favorite, Mainz

17/11/2021 Ethics in AI, rare diseases, and genomics. Ethics in Geoscientific Research, Geo.X Young Academy Autumn School, Freie Universität, Berlin

10/04/2019 Panel discussion: ‚KI in der Medizin und der Versorgung der Zukunft', Siemens Healthineers Stand, DMEA, Berlin

INVITED TALKS

06-08/10/2025 Explainable Medical Ai. Shaping the future of medical decisions - A Symposium on AI in Healthcare. Göttingen

12/09/2025 KI in der Medizin – Was erwartet uns in der Zukunft, Neuromuscular Focus Day, Hannover

17/07/2025 Data-driven Medicine, AITC Conference, Hohhot, China

25/04/2025	Help me to explain explainable AI, IEAI Conference, Bali, Indonesia
14/03/2025	AI-driven Medicine, Medicalis, Cluj-Napoca, Rumania
25/02/2025	Verkürzung des Pfades zur Diagnose mit Routinedaten, NUM Convention, bcc Berlin
31/10/2024	Exploring Explainable AI: Applications and Essential Needs, German Data Science Society, Herbsttagung 2024, Google, Berlin
06/09/2024	Explainable AI and LLMs, Enlite, Berlin
19 – 21/07/2024	Explainability of Affective Computing, AIVR Conference, Fukuoka, Japan
05/06/2024	Keynote: AI-driven precision medicine, ISCOMS, Groningen, NL
23/05/2024	KI Geschäftsmodelle im Gesundheitswesen, Huber Human Capital, Berlin
08/04/2024	Erklärbare KI als Katalysator in der Medizin, Data Science Darmstadt, online
16/17/11/2023	Explainable AI in Medicine. Workshop: Erklärbare und interpretierbare KI / Machine Learning, Fraunhofer & DFKI, Kaiserslautern
21/06/2022	Big Omics Data für Diagnose und Medikamentenentwicklung für seltene Erkrankungen, Big Data Vernetzungsworkshop Wissenschaft–Wirtschaft, Rostock
17/09/2021	Multi-Omic Tools: Lysosomal Disease Maps, Workshop KI für Medizin, Warnemünde
16/09/2021	AI applications for biomarker discovery and rare disease diagnostics, German - French Dialogue on Japan II Artificial Intelligence and Health Care, online
02/12/2020	Digitalisation and AI to Support Diagnosis of Rare Diseases – Cognitive Health, online
09/12/2020	Webinar: KI IM gesundheitswesen – Potenziale und Grenzen, Digital Readiness Serie, Diakonie Deutschland, BMFSFJ funded, online
08/09/2020	Discrimination and bias in AI-based disease classification – Women in AI, global online
03/07/2020	AI to support diagnosis and recovery in rare diseases, Vision A, online
09/01/2020	'Degrees of Medical explainable AI (XAI)', ITU/WHO Focus Group -AI4H Workshop – Artificial Intelligence for Health - Standardized Assessment Framework', Berlin
28 – 29/11/2019	'Data quality and predictive modelling - data-rich but insights-poor?' World Cafe Discussion, Cognitive Health Conference, Berlin
18/11/2019	'AI in healthcare: applications, opportunities & challenges', Medica, Düsseldorf
20/08/2019	'KI-getriebene Medizin: Aktuelle Forschung und Visionen', Keynote, BarCamp HealthIT – Künstliche Intelligenz, Berlin
03/12/2018	'KI und holistische Präzisionsmedizin', Satellitenkonferenz vom Digital Gipfel, Quantensprung oder Hype – Forchheim, Siemens Healthineers, Dezember 201

SELECTED PUBLICATIONS

2025	Humm, B. G., Blum, L. B., Busse, J., Decher, S., Dembach, M., Goetz, C., ... **Schwerk, A.**, & Zender, A. (2025). New trends in applied machine intelligence: Selected results of the Dagstuhl Workshop AMI'2024. *Informatik Spektrum*, 1-17.
2025	Grasnick, A., & **Schwerk, A.** (2025, July). PHANTOMATRIX: A Framework for Predicting Physiological Reactions in Virtual Reality with Machine Learning. In *Recent Trends of AI Technologies and Virtual Reality: Proceedings of 8th International Conference on Artificial Intelligence and Virtual Reality (AIVR 2024)* (p. 35). Springer Nature.
2025	**Schwerk, A.**, & Bretana, N. A. Voraussagende Instandhaltung in der Medizin. In M. Venschott, M. Eifler, & M. Nawito (Eds.), *Predictive Maintenance: Innovationen, Anwendungen und Herausforderungen in der industriellen Praxis* (pp. 123–135). Springer-Verlag.

2025 **Schwerk, A**, Emami, H, Blum, L. *Help me to understand explainable AI ": ExUI – an Explanation Interface to evaluate user-centered XAI* In *Proceedings of the 2025 Workshop on Human-Centered Explainable AI @CHI*.

2025 **Schwerk, A.,** & Grasnick, A. PHANTOMATRIX: Explainability for Detecting Gender Bias in Affective Computing. In *International Conference on Gender Research* (Vol. 8, No. 1, pp. 515-518). Academic Conferences International Limited.

2024 Grasnick, A. & **Schwerk, A**. Quantifying stereotypes in XR with transfer functions. Conference proceedings ICGR 2025

2024 **Schwerk, A** & Blum L. Thinking XAI from the User's Perspective. New Trends in Applied Machine Intelligence. Informatik Spektrum. In submission.

2024 **Schwerk A** & Blum L. A Human-Computer Interaction Approach to Medical Explainable AI (XAI). Springer. In submission.

2024 Napolitano, G., Has, C., **Schwerk A**, et al. Potential of Artificial Intelligence to Accelerate Drug Development for Rare Diseases. *Pharmaceutical medicine*

2024 Duettmann, W, …, Schwerk, A, Naik, M & Budde, K. eHealth and Telemedicine for Risk Prediction and Monitoring in Kidney Transplantation Recipients. *TECHNOLOGY IN HEALTHCARE*, 103.

2023 Rebholz, S, … **Schwerk A**. Hürden überwinden –junge Frauen für MINT begeistern. TeleVIZion 36/2023/1, S. 1-4,

2022 Kowald A, …, **Schwerk A** & Füllen G. Transfer learning of clinical outcomes with molecular data, principles and perspectives.

2020 Balachandran P, …, **Schwerk A** et al. Data and artificial intelligence assessment methods (DAISAM) reference, ITU/WHO FG-AI4H-I-035, Geneva, Switzerland

2020 Budde K, …, **Schwerk A** et al. Künstliche Intelligenz: Patienten im Fokus. Dtsch Ärztebl.

2019 Hoek A, … **Schwerk A,** et al.. A novel nutritional supplement prevents muscle loss and accelerates muscle mass recovery in caloric-restricted mice. Metabolism

2018 Yakala GK, … **Schwerk** A et al. Furin inhibition delays atherosclerotic lesion progression in mice. Arteriosclerosis Thrombosis And Vascular Biology.

LANGUAGES

German	Native language
Dutch & English	C2
Spanish	C1
French	B2