

WORK EXPERIENCE

02/2018 – today

PROJECT MANAGER AI - HEALTH – Deutsches Forschungszentrum für Künstliche Intelligenz (DFKI), Berlin

- + End-to-end project management of AI – Health projects
- + Management of strategic research collaborations and partners
- + Expert meetings and workshops for AI – Health opinion leaders
- + Strategic market overviews, white papers, and publications, e.g. data analysis infrastructures, data donations etc.
- + Lecturing at TU Berlin: IMSEM – Seminar Hot Topics in Information Management (winter semester: 2018/2019 and 2019/2020)
- + Invited delegational visit to Stockholm: 'Joining Forces - European AI in Health', German Ministry of Health (Referent Niklas Kramer), December 2019
- + Jury member of the Open Innovation in Science Award: Expert Jury Evaluation, Einstein Center for Neurosciences, Berlin, August 2019
- + Master thesis supervisor/ advisor:
 - Priya Sivasubramanian (Computer Science, TU - Berlin): December 2019 – today
 - Safiya Hashmi (Information Management Systems, TU - Berlin): December 2019 – today
 - Mario Hienen (Information Management Systems, TU - Berlin): November 2019 – today
 - Nilanjan Haldar (Computer Science, TU - Berlin): November 2019 – today
 - Joud Issah (Computer Science, TU - Berlin): February 2019 – September 2019
- + Workshops and moderation:
 - Moderation: 'AI in minimally invasive surgery and treatment' Expert Forum and roundtable discussion, UK Science and Innovation Network, British Embassy, December 2019
 - Roundtable workshop for patient representatives: 'Opportunities and risks of AI in the healthcare domain', AG Gesundheit, Medizintechnik und Pflege, Plattform Lernende Systeme and Forum Digitale Technologien, October 2019, Berlin
 - Open Innovation in Science - Ph.D. workshop (Prof. Marion Poetz, Ludwig Boltzmann Gesellschaft GmbH, OIS Center), October 2019, Berlin
 - Expert workshop organization: AI & Bio-innovations – bridging industry, science, regulation & ethics, Smart Data Forum, Berlin, March 2018

10/2017 – 01/2018

SCIENTIFIC EDITOR & WRITER – Upwork, self employed

English, Dutch: publication assistance, proofreading, editing, and ghostwriting

10/2015 – 09/2017

RESEARCH ASSISTANT – TNO, Leiden, the Netherlands

- + Projectmanagement of murine liver, kidney, lung and skin fibrosis models
 - Budget and employee responsibility
 - Planning, controlling, and finalizing projects
 - Client management and reporting
 - Data analysis, interpretation and management

- + Development of complex immunohistochemical stains
- + Digital pathology and automatic image analysis
- + Diagnostic biomarker development (RNAseq, PCRs)
- + Ophthalmology research and technology development, including the testing of OCT and fluorescence angiography

07/2015 – 09/2015

SCIENTIFIC WRITER – Maya World Trading, Amsterdam, the Netherlands

- + Literature analysis, text editing and writing on food supplements
- + Market analysis

EDUCATION

08/2010 – 10/2015

PH.D. MEDICAL NEUROSCIENCES - International Graduate Program Medical Neurosciences, Charité, Berlin

- + Grade: *Summa cum laude*
- + Supervision: Dr. Barbara Steiner, Charité, Berlin
- + Dissertation: Mesenchymal stem cell delivery and tracking in a Parkinson's disease rat model
- + Intranigral transplantations of stem cells
- + Multimodal MRI/PET imaging of mesenchymal stem cells *in vivo*
- + Gene and protein assays (multiplexed ELISAs, PCRs)
- + Immunohistochemical characterization of MSC *in vitro* and *in vivo*

09/2007 – 08/2010

M.S. NEUROSCIENCE - Vrije Universiteit, Amsterdam, the Netherlands

- + 1st traineeship & thesis (5 months): Neuroadaptive mechanisms of relapse to nicotine seeking in rats
Supervision: Prof. Taco de Vries, Vrije Universiteit, Amsterdam, the Netherlands
- + 2nd traineeship & thesis (11 months): Inhibitory control in former opioid addicted individuals (see publications)
Supervision: Prof. Murat Yücel, Monash University, Melbourne, Australia
- + Literature review: magnetic resonance spectroscopy in schizophrenia patients (see publications)

10/2004 – 08/2007

B.S. CLINICAL AND COGNITIVE NEUROPSYCHOLOGY - Vrije Universiteit, Amsterdam, the Netherlands

- + Thesis: Prenatal stress effects on ADHD symptoms in toddler age
Supervision: Prof. Jaap Oosterlaan, Vrije Universiteit, Amsterdam, the Netherlands

10/2003 – 02/2004

SOCIOLOGY STUDIES – Universität zu Köln, Cologne

06/2003

ABITUR (A LEVELS) – Hainberg Gymnasium, Göttingen

PANEL DISCUSSIONS

Upcoming: 17/03/2020

[Panel discussion](#): ‚Chinas Weg in die Digitalisierung - zurück in die Zukunft oder in die Sackgasse?‘ 15. Kongress für Gesundheitsnetzwerker, Berlin

10/04/2019

[Panel discussion](#): ‚KI in der Medizin und der Versorgung der Zukunft‘, Siemens Healthineers Stand, DMEA, Berlin

INVITED TALKS

Upcoming: 20/03/2020	,KI im Gesundheitswesen – Überblick der technischen Möglichkeiten', 23. Marburger Gespräche zum Pharmarecht: Digitalisierung und Innovationen, Marburg
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: current applications, opportunities, and challenges', Medica Conference, 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 2018
16/05/2018	,Big Data und Smarte Medizin', Medical seminar series, Psychiatrische Universitätsklinik, Charité, Berlin
12 – 14/09/2014	'Ibogaine – revisited'. Entheo-Science Congress, Berlin

CONFERENCES / MEETINGS

Since 2018 – today	BIH Digital Health Forum Series, Hörsaalruine, Charité, Berlin
16/12/2019	Workshop: Gesunde Algorithmen? Frauen und künstliche Intelligenz im Gesundheitswesen, BIH, Berlin
10/12/2019	Fachforum Gesundheit: Versorgung vernetzt denken: Wie gelingt eine digitale und innovative Versorgung? Tagesspiegel, Berlin
21 – 22/11/2019	Digital Health Forum, Hasso Plattner Institute, Potsdam
07/11/2019	Future Medicine Science Match, Kosmos, Berlin
29 – 30/10/2019	Designing Digital Transformation–50 Years of Internet, Hasso Plattner Institute, Potsdam
28/10/2019	Opening Ceremony, 20 th anniversary, Hasso Plattner Institute, Potsdam
14/10/2019	Workshop: Datenspende – Anwendungen, Nutzen und gesellschaftliche Akzeptanz. 2. Berlin Lab Digitale Gesundheit, Pfizer, Berlin
09 - 10/10/2019	Invitation: World AI Summit by Mercedes EQ, including workshop and roundtables
25/09/2019	Invited guest: DeepTech Salon, Redlab, Berlin
20 – 21/11/2018	'Personalised Medicine in Action', ICPeMed Conference, Berlin
12/10/2018	The Oxford-Berlin Workshop on Global Health , Berlin
24/09/2018	BigMedilytics Project Meeting, Rotterdam, the Netherlands
20/09/2018	Bitkom, Digital Health Conference, Berlin
20/06/2018	Big Data Value Association (BDVA) Activity Group meeting (AG27), Brussels, Belgium
05/03/2018	BigMedilytics Project Meeting, Eindhoven, the Netherlands
14 – 18/07/2012	Poster; 8 th FENS Forum of Neuroscience, Barcelona, Spain
12 – 16/11/2011	Poster; 41 st annual meeting of the Society for Neuroscience, Washington, USA
04 – 06/08/2011	Poster; The International Society of Psychoneuroendocrinology meeting, Berlin
12 – 13/07/2011	Poster; Satellite event of FENS Forum: Regulation of adult neurogenesis: from epigenetics to behaviour. Barcelona, Spain
01 – 03/12/2010	Poster; PhD symposium: Stem Cells - Hopes, Fears and Reality, Berlin-Brandenburg School for Regenerative Therapies, Berlin

PUBLICATIONS

- 2019 Hoek A, ... Schwerk A, et al. (2019). A novel nutritional supplement prevents muscle loss and accelerates muscle mass recovery in caloric-restricted mice. *Metabolism*
- 2018 Yakala GK, Cabrera-Fuentes HA, Crespo-Avilan GE, Liehn E, **Schwerk** A et al. Furin inhibition delays atherosclerotic lesion progression in mice. *Arteriosclerosis Thrombosis And Vascular Biology*.
- 2015 **Schwerk** et al. Adipose-derived human mesenchymal stem cells induce long-term neurogenic and anti-inflammatory effects and improve cognitive but not motor performance in a rat model of Parkinson's disease. *Reg. Med.*;10(4):431-46.
- 2015 Berg J, Roch M, Altschüler J, Winter C, **Schwerk** A, Kurtz A, Steiner B. Human adipose-Derived Mesenchymal Stem Cells Improve Motor Functions and are Neuroprotective in the 6-Hydroxydopamine-Rat Model for Parkinson's Disease when Cultured in Monolayer Cultures but Suppress Hippocampal Neurogenesis and Hippocampal Memory Function when Cultured in Spheroids. *Stem Cell Rev.*; 11(1):133-49.
- 2015 **Schwerk** et al. Human adipose-derived mesenchymal stem cells increase endogenous neurogenesis in the rat subventricular zone acutely following 6-hydroxydopamine lesioning. *Cytotherapy* 2015; 17(2):199-214.
- 2014 **Schwerk** et al. Metabolic alterations associated with schizophrenia: a critical evaluation of proton magnetic resonance spectroscopy studies. *J Neurochem.*; 128(1):1-87.
- 2012 Verdejo-García A, Lubman DI, **Schwerk** A, Roffel K, Vilar-López R, Mackenzie T, Yücel M. Effect of craving induction on inhibitory control in opiate dependence. *Psychopharmacology*; 219(2):519-26.

PEER-REVIEWS

- 2015 *Psychiatry Research: Neuroimaging*. Brain metabolite alterations in children and young adults at high risk for psychotic disorders: magnetic resonance spectroscopy findings
- 2014 *The International Journal of Neuropsychopharmacology*: Glutamatergic neurometabolites in treatment-resistant and ultra-treatment-resistant schizophrenia

LANGUAGES

German	Native
Dutch	C2
English	C2
Spanish	C1
French	B2

SOFTWARE SKILLS

Endnote	Excellent
Graphpad	Excellent
IBM SPSS	Excellent
MS Office	Excellent
ImageJ	Good
Wordpress	Good

CERTIFICATES

09/2016	Art. 9 - Wet op de dierproefen/ certificate for animal testing according to the Dutch law
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EXTRACURRICULAR ACTIVITIES

09/2010 – today	Member, Eclipse e.V., Berlin
12 – 16/07/2019	Invited speaker: Nanogagliato Conference , Gagliato, Italy
02/2018	Visiting lecturer: Ibogaine: beyond addiction. International Graduate Program Medical Neurosciences, Charité, Berlin
05/2016	Visiting lecturer: Iboga and its medical use. International Graduate Program Medical Neurosciences, Charité, Berlin
09/2014 – 04/2015	Individual assistance, Sterntal e.V., Berlin
09/2014	Organizing committee, Entheo-Science Congress, Berlin
03/2014	Visiting lecturer: The molecular mechanisms of ibogaine. International Graduate Program Medical Neurosciences, Charité, Berlin
03/2013 – 03/2014	Managing committee, Eclipse e.V., Berlin
02/2012 – 06/2014	Science Writer & Author, Charité Neuroscience Newsletter, Berlin
09/2012	Organizing committee, Entheo-Science Congress, Berlin
09/2011	Organizing committee, European Students Conference, Berlin
01 – 04/2009	Peer-Education, Jellinek Klinik, Amsterdam, the Netherlands
08/2006 – 10/2007	Individual assistance, Vriendendienst, Amsterdam, the Netherlands