

## ANELIS KAISER TRUJILLO, PROF. DR.

**Date of birth** May 19<sup>th</sup>, 1973 in Valparaíso (Chile)  
**Nationality** Chilean-German-Swiss  
**Languages** German (native), Spanish (native), English (fluent), French (solid)  
**Position Currently** Professor of Gender Studies in STEM (2017-2023)  
- Equipe "Coercion", Psychiatry Baselland, Liestal (CH)  
- Affiliated: Center for Gender Studies, University Basel  
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**Researcher IDs** [Researchgate](#), [ORCID](#)



### Education

2002-2008 **PhD thesis:** University of Basel, Switzerland: Sex/Gender in Brain Science – An Example from fMRI-Studies on Language (Supervisors: Prof. Klaus Opwis, Faculty of Psychology, and Prof. Dr. Cordula Nitsch, Institute of Anatomy, University of Basel, Switzerland)  
2005-2006 Postgraduate Research Stay at BIOS (Prof. Dr. Nicolas Rose), LSE London, supervisor Sarah Franklin.  
2002-2005 **Postgraduate Degree** in Gender Studies (Postgraduate School *Science – Gender – Symbolic Order*), University of Basel, Switzerland.  
2002 Visiting PhD student at Max Planck Institute for Human Cognitive & Brain Science, Leipzig, Germany.  
2001 **Diploma** in Psychology (qualitative research), University of Basel, Switzerland.  
1993 School Leaving Examination (Abitur) at Hans-Thoma Gymnasium, Lörrach, Germany.  
1979-1985 German School in Viña del Mar, Chile.

### Employment history

2025- Affiliation at University of Basel, Center for Gender Studies  
2024- Research-oriented Psychologist at Psychiatrie Baselland  
2017-2023 Professor for *Gender Studies in STEM* at the Department of Computer Science, Faculty of Engineering at the University of Freiburg.  
2013-2016 *Marie Heim-Vögtlin* Fellow, Department of Social Psychology and Social Neuroscience, Institute of Psychology, University Bern, Switzerland.  
Fall 2015 Lecturer of *Gender & Science* at Center for Gender Studies, University of Basel, Switzerland.  
2012 Interim Professor of *Cognitive Science and Gender Research* at the Center for Cognitive Science, Albert Ludwigs University Freiburg, Germany.  
2010-2012 Visiting Professor at the Institute of Pedagogical Psychology / Center for Interdisciplinary Women's and Gender Studies, Technical University of Berlin, Germany.  
2007-2010 Research Associate and Lecturer of *Gender and Science* at Center for Gender Studies, University of Basel, Switzerland.  
2005 Research Associate at the Institute of Informatics, Science and Society, University of Freiburg/Br., Germany.  
2002-2005 Research Associate in Interdisciplinary Research Project *The Multilingual Brain*, Department of Neuroanatomy, Institute of Anatomy, University of Basel, Switzerland.

### Foundations

2022 Initiation of the Chilean-German research initiative *Sex/Gender in STEM & Decoloniality*.  
2010 Foundation of the international and interdisciplinary *Network NeuroGenderings: Critical Studies of the Sexed Brain* (together with Dr. Isabelle Dussage).

### Awards

2021 Emma Goldman Award for Feminist Research & Inequality in Europa, Flex Foundation ([Link](#)).

### Approved research projects, selected

2023 Financial support obtained as Co-Chair of Ernst Strüngmann Forum *Sex and Gender: Transforming Scientific Praxis* (together with Z. DuBois, S. Richardson).  
2021-2023 PI: *Diversity in Language and Cognition*, Freiburg Institute for Advanced Studies, University of Freiburg (together with Prof. Dr. Evelyn Ferstl, Prof. Dr. Adriana Hanulíková).  
2021-2023 PI: *Sex/Gender in Computer-Based Neuroscience: The Role of Big Data*, University of Freiburg, Freiburg Institute for Advanced Studies, University of Freiburg.

2019	PI: Sex/Gender in Computational Neuroscience.
2018-2021	Cooperation partner in <i>MINT digital - Open-Science aktiv gestalten</i> . (Heads: Dr. M. Mangelsdorf, PD Dr. S. Schmitz. Funder: BMBF).
2018-2024	Cooperation partner in <i>Human Diversity in the New Life Sciences: Social and Scientific Effects of Biological Differentiations</i> . (Heads: Dr. T. Plümecke et al., Funder: BMBF).
2013-2015	PI: Multi-Scale Battery of Femaleness & Maleness to Examine Language Processing in Structure and Function of the Brain (Marie Heim-Vögtlin Fellowship, SNF).

Total funding obtained as PI: 812 000 Euro and as cooperation partner: 1'490 000 Euro

Total funding obtained by staff: 65 000 Euro

### Supervision of junior researchers

<u>Postdocs:</u>	Dr. M. Küffner (Universität Freiburg).
<u>Doctoral students:</u>	D. Schellenberg (Technical University Berlin), V. Ambrosi (University of Freiburg), A. Spahn (University of Freiburg).
<u>Master students:</u>	T. Cornel (Technical Univ. Berlin), D. Amstutz (Univ. of Bern), K. Köhnle (University of Freiburg), R. C. Ladwig (Univ. of Freiburg), T. Liu (Univ. of Freiburg), G. M. Zoratti (University of Trento), E. Ábalos Marco (Univ. of Strasbourg), V. Brunninger (Univ. of Freiburg), J. Mothes (Univ. of Freiburg).
<u>Master exams:</u>	C. Ali, S. Rutkrat (both University of Freiburg).
<u>Bachelor students:</u>	N. Lindemann (University of Freiburg), E. Hofmann (University of Freiburg).

### Teaching activities

Since 2017	4-5 courses and lectures per week at University Freiburg entitled "Gender in Technology, Science and Medicine" (lecture); "Female vs. Male Brain? How Neuroscience Approaches Sex/Gender" (seminar); "Gender Equality in STEM" (seminar); "Gender in Technology and Science" (research colloquium); "Gender in the Lab" (seminar); "Matter and Materiality inbetween of Gender Studies and Science/Technology" (seminar).
From 2013-2016	Regular academic seminars and courses in: Laboratory Studies, Feminist STS.
2010 to 2012	4-5 courses per week at TU Berlin in: Feminist STS, Gender Studies in Science, Pedagogical Psychology, Cognitive Science.
2002 to 2009	Seminars and courses in: Feminist STS, Theory of interdisciplinarity, New materialism.

### Membership in panels, boards, reviewing

<u>Expert's reports:</u>	Austrian Academy of Sciences, The Leverhulme Trust (UK), Swiss National Foundation (e.g. Evaluation Panel for a NRP, 2024), DAAD (German Academic Exchange Association).
<u>Advisory Board:</u>	Member at <i>Gender &amp; Science in NCCR Molecular Systems Engineering</i> (SNF, ETH-BS) Member at <i>Human Diversity in the New Life Sciences</i> (Univ. Freiburg, BMBF). Member at <i>Gendering MINT digital</i> (Univ. Freiburg, BMBF). Member at <i>NeuroGenderings</i> . Member at the Journal <i>Catalyst: Feminism, Theory, Technoscience</i> . Member at Studies Programme <i>Gender Studies</i> (University of Freiburg).
<u>Editorial activities:</u>	ad hoc reviewer for: <i>Front. in Psychology</i> , <i>Front. Human Neuroscience</i> , <i>Front. Aging Neuroscience</i> , <i>Internat. J. of Environmental Research &amp; Public Health</i> , <i>Hypatia</i> , <i>Internat. J. of Language &amp; Communication Disorders</i> , <i>Freiburger Zeitschrift Geschlechterstudien</i> , <i>Brain Imaging &amp; Behavior</i> , <i>History and Philosophy of the Life Sciences</i> .

### Active memberships in scientific societies

<u>Scientific societies:</u>	Board Member <i>Swiss Society for Gender Health</i> , Member at Excellence <i>Cluster BrainLinks-BrainTools</i> , University Freiburg. Fellow of the Neuroscience and Neurotechnology Network (University of Freiburg). Member of the Human Brain Mapping Organization (OHBM); Member of Science, Technology & Society, Switzerland (STS, CH); Member of Gender Studies + TechnoMedSciences; Member of the Swiss Society for Gender Studies Research (SGGF/SSEG); Member of the German Gender Studies Association (GGSA).
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### Organization of conferences and Workshop

01/2021	Workshop Molecular Feminisms. Co-organisation with Dr. H. Fitsch. ZIFG, TU Berlin.
2010-2019	Main Organizer of the conference <i>NeuroGenderings</i> in 2010. Co-organizer of conference <i>NeuroGenderings</i> in 2014, 2019.

### Scientific output

Complete list of publications can be accessed here ([Link](#)).

Throughout my career, my research has traversed disciplinary boundaries, ranging from neuroscience to psychology and gender studies, and back again. Along these interdisciplinary pathways, my primary areas of expertise, as outlined in my comprehensive CV, encompass the investigation of sex/gender differences and similarities in neurocognitive research, the conceptualization of alternative sex/gender models, the development of (intersectional) measurement tools for sex/gender in scientific contexts, and the exploration of neurobiological processes underlying language in the brain, as evidenced by my extensive publication record ([Link](#)). Within these overarching themes, I merge gender theories with neuroscientific methodologies, effectively bridging qualitative and quantitative approaches. In this context, my contributions have taken shape in two complementary directions. Firstly, I have generated gender-theory informed insights within neuroscientific laboratories, leveraging brain imaging techniques to produce empirically-grounded findings. Secondly, I have integrated neurobiological knowledge into the realm of gender studies, enriching the discourse with interdisciplinary perspectives.

### 1 Overproduction of Sex/Gender Differences in Neuroscience

Having initially delved into the neurobiological underpinnings of multilingualism using functional magnetic resonance imaging (fMRI) techniques (Bloch, Kaiser et al. 2009; Kaiser et al. 2015; Stein, Kaiser et al., 2015), I subsequently shifted my focus towards investigating the role of sex/gender in human neurocognition. A seminal publication, boasting a journal impact factor of 10.34, showcased how methodological and statistical biases can inflate sex/gender differences in fMRI studies within neurolinguistics (Kaiser et al. 2007; Kaiser et al. 2009). This dedication to probing these research questions culminated in the establishment of the international network *NeuroGenderings* in 2010. Collaborating with colleagues from this initiative, I co-authored a series of influential papers that elucidated fundamental principles pertaining to the concept of sex/gender (Rippon, Kaiser et al. 2014), examined the persistent fixation on neurobiological sex/gender differences in the context of neuroplasticity (Fine, Kaiser et al. 2013), and highlighted how the designation of sex as a "biological variable" can introduce methodological biases in neuroscientific experiments (Rippon, Kaiser et al. 2017). This combined body of empirical and conceptual work, alongside the support of my SNF Marie Heim-Vögtlin Grant (2013-2016, University of Bern), ultimately contributed to the successful evaluation for my last position as a W2 Professor of Gender Studies in STEM at the University of Freiburg, Germany.

### 2 Conceptualizing and Measuring Sex/Gender in Science

As early as 2012, I put forth the argument that the variables of "sex" and "gender" cannot be neatly categorized as purely biological or purely social components, nor can they be accurately measured or recorded as such. Therefore, I proposed considering them as a unified concept, designated as "sex/gender" (Kaiser, 2012). This paper, along with subsequent publications (Kaiser 2014, Kaiser 2018, Bryant et al. 2019), had significant impacts. Firstly, they introduced the term "sex/gender" into various subdisciplines intersecting gender studies and the sciences, such as Gender Medicine or Neurofeminism, where it has now become widely utilized. Secondly, they proposed a measurement tool for sex/gender based on both biological and social aspects, allowing for a non-binary and more fluid classification of sex/gender within the same field. This classification framework is further elucidated in "The sex/gender distinction: Beyond F and M," published in the APA Handbook of the Psychology of Women (Schellenberg & Kaiser 2017). Following this, a publication examining the frequency of research on sex/gender at OHBM 2022 in relation to the gender identity of the researchers was released in 2024. The expertise demonstrated in these endeavors has led to invitations to deliver international lectures (e.g., CUNY NY (2013)), regular appearances at institutions such as ETH Zürich, TU Berlin, and EPFL Lausanne, keynote speeches (e.g., Max-Planck Institute of History of Science, 2020), and invited participation in panel discussions at international neuroscience congresses (e.g., OHBM, 2019). Additionally, I have been honored to serve as Co-Chair at the Ernst-Strüngmann-Forum (affiliated at Max-Planck Institute of Neuroscience) on Sex/Gender Entanglement 2023 ([Link](#)).

### 3 Empirical Neurofeminism: Intersectionality, Critical Race Studies

Together with Isabelle Dussauge, I have contributed extensively to the exploration of whether the concept of feminism can be effectively integrated with empirical neuroscience (Dussauge & Kaiser, 2012a; Dussauge & Kaiser, 2013; Kaiser & Dussauge, 2015). Building on this inquiry, I later collaborated with S. Schmitz to elucidate the relationship between sex/gender and sexuality in experimental neuroscience for the Wiley-Blackwell Encyclopedia of Gender and Sexuality Studies (Kaiser & Schmitz, 2016). The special issue in the journal *Neuroethics*, which I co-edited, situated questions regarding concepts of sex/gender in neuroscience within an ethical framework (Dussauge & Kaiser, 2012b). In recent years, I have expanded my research focus to incorporate critical race studies (Kessé et al., 2022; Kaiser, 2020). Within the framework of intersectionality, I have addressed issues of inequality, structural power, and discrimination within the realm of neurofeminism (Duchesne & Kaiser, 2021). Furthermore, I have actively broadened the scope of my research by publishing in Spanish, my first language (Kaiser, 2018; interview with Kaiser, 2019, in the journal *El Mirador*; Fine, Jordan-Young Kaiser & Rippon, G., 2019). The *Emma Goldman Award* facilitated my collaboration with colleagues in Latin America, through which some of today's most prominent feminist research from the region has reached Europe and the USA. My recent work in the areas of biopolitics and gender (Fitsch, Kaiser et al., 2020; Fitsch, Kaiser et al., 2021) and race (Kaiser et al., 2022) has led to an invitation to reside at the renowned "Institut für die Wissenschaften am Menschen" (IWM) in Vienna in 2022 ([Link](#)) and to University Innsbruck (2024) ([Link](#)).

#### Scientific Foundations

My dedication to fostering a critical yet constructive dialogue between gender studies and the sciences, particularly within the realm of neuroscience, led to the inception of the transnational network *NeuroGenderings: Critical Studies of the Sexed Brain* in 2010 ([Link](#)), alongside Isabelle Dussauge from Uppsala University, Sweden. Over the years, this network has flourished, hosting five international conferences in various locations (2010: Sweden, 2012: Vienna, 2014: Switzerland, 2016: New York, 2019: Leiden), and has garnered widespread recognition for its contributions to critical studies of the gendered brain, boasting the involvement of prominent scholars in the field. As a co-initiator of *NeuroGenderings*, I have remained actively engaged as a core member since its inception in 2010. In 2022, I spearheaded a collaboration between Chile and Germany focusing on Sex/Gender in STEM, which subsequently expanded to include Argentina ([LINK](#)) (Kaiser Trujillo & Gajardo 2023). This initiative reflects my ongoing commitment to fostering interdisciplinary partnerships and advancing critical inquiry into the intersections of sex, gender, and science.

#### Awards and Medial Interest Based on Scientific Achievements

In recognition of my research and expertise on feminist and inequality issues in Europe, I was honored to receive the Emma Goldman Award in 2021 (FLAX Foundation, € 50,000. Moreover, my work has attracted significant attention from the media in recent years: Galileo (German TV, ProSieben), ARTE (German-French TV), Einstein (Swiss TV, SRF), DIE ZEIT (one of German leading's newspapers), Badische Zeitung (German newspaper). Older medial participation includes SRF Einstein and Sternstunde Philosophie (both Swiss National TV).

#### Engagement in Academia

In addition to my research endeavors, I am deeply committed to advancing gender equality both within academia and beyond. From 2020 to 2023, I served as the deputy Equal Opportunities officer at the University of Freiburg. Furthermore, in 2018, I played a pivotal role as a founding member of the Gender Equality Commission at the Faculty of Engineering. Additionally, I was an active member of Gender Kreis (Gender Equality and Gender Studies) from 2018 to 2023, furthering the cause of gender equality within the university community. Moreover, my involvement in the Directorium ([Link](#)) at the Zentrum für Anthropologie und Gender Studies at the University of Freiburg underscores my dedication to advancing interdisciplinary research and teaching in gender studies, including the institutionalization of feminist STS at German Universities ([Link](#)).