

**CURRICULUM VITAE***Prof. Edna Grünblatt, Medical Science**Researcher ORCID ID: 0000-0001-8505-7265; ResearcherID: A-6762-2016***Office address:**

*Translational Molecular Psychiatry, PUK, UZH  
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**1. CURRENT POSITION**

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Since 04.2009 **Head of [Translational Molecular Psychiatry](#)** at the Department of Child and Adolescent Psychiatry & Psychotherapy, Psychiatric University Hospital Zurich (PUK), University of Zurich (UZH).

**2. EDUCATION**

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06.10.2015 & 17.2.2023 **Professor Title (Titularprofessor)** at the Faculty of Medicine, University of Zurich, Switzerland.

04.09.2012 **Habilitation (Privatdozentin; venia legendi)**, Child and Adolescent Psychiatry, Faculty of Medicine, University of Zurich, Switzerland.

28.04.2008 **Habilitation (Privatdozentin; venia legendi)**, Clinical Neurochemistry, Faculty of Medicine, University of Würzburg, Germany.

1998-2000 **Doctorate**, Department of Pharmacology, Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel. Completion: Doctor of Philosophy (Ph.D.) in Medical Science (reward 14.01.2001)

1996-1998 **Master**, Department of Pharmacology, Faculty of Medicine, Technion-Israel Institute of Technology, Haifa, Israel. Completion: Master of Science in Medical Science

1994-1997 **Bachelor**, Faculty of Biology, Technion-Israel Institute of Technology, Haifa, Israel. Completion: Bachelor of Art in Biology

1992-1996 **Bachelor**, Faculty for Chemical Engineering, Technion-Israel Institute of Technology, Haifa, Israel. Completion: Bachelor of Science in Chemical Engineering

**3. PROFESSIONAL AND ACADEMIC EXPERIENCES**

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10.2000-04.2009 **Post-Doc, Research Fellow, and Assistant Professor** in the Clinical Neurochemistry Laboratory and the NPF Excellence Center, Clinic for Psychiatry, Psychosomatic and Psychotherapy, University of Würzburg, Germany.

7.1997-10.1997 **Summer traineeship** at Novartis AG, Basel, Switzerland, at the Neuroscience laboratories in molecular biology of neurodegenerative diseases.

7.1995-10.1995 **Summer traineeship** at the Fraunhofer Institute für Chemische Technologie (ICT) / Germany. Detection of various materials in a new method of U.I.R.

7.1994-10.1994 **Summer traineeship** at the laboratories of Frutarom Ltd. Akko / Israel, Petrochemical. Inorganic laboratory: quality control and environmental control.

**4. RESEARCH PROJECT FUNDING**

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2024-today Hartmann Müller-Stiftung für Medizinische Forschung, E.Grünblatt PI- "Is there a molecular link between ADHD and late-onset Alzheimer's disease? Hypothesis testing involving polygenic risk scores and the WNT signaling inhibitor DKK1"

2024-today SNSF Scientific exchange, E. Grünblatt PI-"The annual IMPACT and ECNP ADHD across the lifespan Network meeting", IZSEZ0\_223933

2023-today MEDICE Arzneimittel Pütter GmbH & Co. KG, E. Grünblatt PI- Investigation of neuronal activity in iPSC neurons from ADHD patients

2022-today [PHRT](#), ETHZ, Hierlemann A PI and E. Grünblatt co-PI: Electrophysiological biomarker discovery and treatment response prediction for attention-deficit hyperactivity disorder (ADHD)

- 2022-today [McGill & ZNZ](#), E. Grünblatt PI, S. Farhan PI, and R. Thomas co-PI: A discovery study of molecular alterations during development of Attention-Deficit Hyperactivity Disorder and controls iPSC-derived neural stem cells and forebrain cortical neurons through single cell RNA-sequencing.
- 2022-today MEDICE Arzneimittel Pütter GmbH & Co. KG, E. Grünblatt PI- Investigation of Wnt-related protein alteration in ADHD
- 2021-today [Waterloo Foundation](#): E. Grünblatt PI- The potential effects of omega-3 fatty acids with and without methylphenidate in ADHD patients' neural stem cells- Wnt-activation?
- 2019-today Chair of the [ECNP Thematic Working Group on "iPSCs platform for studies of neuropsychopharmacology and neuropsychiatric disorders"](#)
- 2018-today [AMG-Stiftung](#): PI: Prof. Markus Landolt, co-PI: E. Grünblatt: Epigenetic alterations in stress regulation genes among newborns after fetal surgery for myelomeningocele repair: An exploratory study
- 2017-2022 [COST-PUI](#) (EU Framework programme Horizon2020), COST Action CA16207 European Network for Problematic Usage of the Internet (EU-PUI) PI Naomi Fineberg (UK); E. Grünblatt, Lead of WG4 Management, Governance and Quality Assurance.
- 2017-2018 [PUK Forschungsfonds](#) Nr. 8702 Fonds für wissenschaftliche Zwecke im Interesse der Heilung von psychischen Krankheiten- E. Grünblatt PI- Does ADHD brain development and maturation involve Wnt-signalling alterations?
- 2015-2017 Verein zur Durchführung Neurowissenschaftlicher Tagungen e.V. Influence of monoamine oxidase (MAO) B inhibitors on both MAOA & B enzyme activity in vivo in Parkinson's patients. E. Grünblatt PI
- 2017 Oxford, McGill, and ZNZ Pilot Project Funding. Epigenetics and ADHD: Family-based and case-control association studies of the dopamine and serotonin transporter gene. PIs: Walitza and Gustavo Turecki; Co-PI E. Grünblatt.
- 2015 GRC funds (Graduate Campus, UZH). E. Grünblatt PI. "ZNZ retreat on scientific career planning"
- 2014 GRC funds (Graduate Campus, UZH). E. Grünblatt PI. "ZNZ retreat on scientific career planning"
- 2014 Fonds für Medizinische Forschung, UZH. E. Grünblatt PI "Effects of serotonin 1A and 1B autoreceptors on cell signalling in rat raphe nucleus cells"
- 2013-2015 Verein zur Durchführung Neurowissenschaftlicher Tagungen e.V.- E. Grünblatt PI- Influence of methylphenidate on the intercellular and synaptic localization of the dopamine and noradrenergic transporter
- 2012 Novartis Foundation, formerly Ciba-Geigy Jubilee-Foundation. E. Grünblatt PI. One-year post-doc scholarship for Dr. Zoya Marinova
- 2012 SK Life Science. Platelet rich plasma MAO-B activity assay. E. Grünblatt PI
- 2011-2013 Vifor SA- E. Grünblatt PI- Effect of Equazen in combination with iron, zinc and vitamin B5 on neuronal cell line model for Attention-deficit hyperactivity disorder
- 2010-2011 Alzheimer Forschung Initiative e.V «Biomarkers for dementia in the longitudinal VITA-study» E. Grünblatt PI
- 2008 Edda Neele Stiftung. Experimental models of Alzheimer's disease and cerebral diabetes related disorders. E. Grünblatt PI
- 2006 16th International Congress on Parkinson's Disease and Related Disorders e.V. Gene expression and molecular markers in sporadic Parkinson's disease- the time course of the disease. E. Grünblatt PI
- 2004-2011 Deutsche Forschungsgemeinschaft (DFG)- Lead of WG4 [Molekulare Pathogenese und Endophänotypen im Therapieverlauf in KFO125](#)
- 2004-2005 Hirnliga e.V. Gene expression and molecular markers in sporadic Alzheimer's disease- the time course of the disease. E. Grünblatt PI
- 2002-2004 Alzheimer Forschung Initiative e.V «Differential gene expression in streptozotocin rat model.» E. Grünblatt PI
- 2002-2003 Hirnliga e.V. Gene expression and molecular marker in human Alzheimer's disease. E. Grünblatt PI

## 5. SUPERVISION OF JUNIOR RESEARCHERS

- Diploma (n=3) Schlosser C (2008) Diplom Biologie, Uni. Würzburg; Link P (2009) Diplom Biologie, Uni. Würzburg; Meyer A (2010), Diplom Biologie, Uni. Würzburg;

Master (n=27)	Nyffeler J (2012), MSc., MNF, UZH; Saxer J (2012) Msc. Pharmacology, ETHZ; Müntz S (2013), MSc, MNF, UZH; Conda M (2014), MSc, Mol Biologie, Uni Zagreb; Schmidt K (2014), MSc, Cell Biologiy, ETHZ; Rokyta J. (2016) MSc, Biology, ETHZ; Müller Rea (2017), MSc, NMF, UZH; Ruesch M (2016) MSc, Biomedical Engineering, Uni Bern; Re S (2017) MSc, NMF, UZH; Ruder J (2017) MSc, MeF, UZH; Dr. med. Kormos E (2018) MSc, NMF, UZH; Mehta S (2018) MSc, MNF, UZH; Maggi K (2018) MSc, NMF, UZH; Grossmann L (2020) MSc, MNF, UZH; Pfister J (2021) MSc, MNF, UZH; Candan A (2022) MSc., MeF, UZH; Vahdani N (2022) MSc, Biotech. Uni. Tehran; Bender A (2022) MSc, Life Sc. Eng., EPFL; Salazar Campos JM (2022), Msc. Science, Uni Autonoma de Madrid; Ruhstaller S (2023) MSc., MNF, UZH; Rickli M <sup>1</sup> (2023), MSc, MNF, UZH; Dzmiranista D (2023), MSc., Pharmaceutical Biotechnology, Uni. Bologna; Lasmarrigues REJ (2023), MSc., Ecole Superieure de Chemie Physique Electronique de Lyon; Koppelmaa KJ (2023), MSc., Health Sciences and Technology, ETHZ; Gamma T (Ongoing), MSc, Biotechnology, ETHZ; Del Campana L (Ongoing), MSc, Translational Neuroscience, Heinrich-Heine-University Düsseldorf; Marten L (Ongoing), MSc, Interdisciplinary Natural Sciences, ETHZ;
Medicine Diss. (n=6)	Altides AE (2011), Dr. med., MeF, University of Würzburg, DE; Cremer N (2012), Dr. med., MeF, University of Würzburg, DE; Löffler IC (2013), Dr. med., MeF, University of Würzburg, DE; Müller M (2013), Dr. med., MeF, University of Würzburg, DE; Iuhos DI (2013), Dr. med., MeF, University of Würzburg, DE; Fischer M (2014), Dr. med., MeF, University of Würzburg, DE
PhD(n=4)	Bartl J (2012), Dr. rer nat, Biology Faculty, University of Würzburg, DE; Jagannath V <sup>2</sup> (2017), PhD, ESKAS scholarship, MNF, UZH; Yde Ohki CM (2024), PhD, MNF, UZH; Walter NM (since 2021), PhD, MNF, UZH;
Post-Doc (n=5)	Dr. Marinova Z (2010-2015); Dr. rer. nat. Bartl J (2012-2015); Dr. med. Werling AM (Habilitation 2023); Dr. Smigielski L (since 2018); Dr. Joyce C (2018-2019).

## 6. MEMBER OF DOCTORAL PROGRAMMES

Neuroscience	International PhD Program in <a href="#">Neuroscience</a> , Graduate School
Biomedicine	PhD Program in <a href="#">Biomedicine</a> , Graduate School

## 7. MEMBER IN PhD COMMITTEE

2019	Lilia Papst, PhD (2019), LMU Systemic Neuroscience, Munich; Members: Prof. Elisabeth Binder, Prof. Moritz Rössner, Prof. Peter Falkai, Dr. Edna Grünblatt
2018-2021	Helena Sofia Caria Martins (2021), PhD, Neuroscience, ETH Zurich; Members: Prof. Gerhard Schratt, Prof. Shiva Tyagarajan and Prof. Edna Grünblatt
Since 2021	Arian Ehterami, PhD, Biomedicine, MNF, UZH; Members: Prof. Simon Hoerstrup, Prof. Arnold von Eckardstein, Prof. Maximilian Emmert, Prof. Edna Grünblatt, and Dr Sarah Motta
2023-2024	Juliette Giacobbe (since 2023), PhD, Neuroscience, King's College London; Members: Prof. Carmine Pariante, Prof. Deepak Srivastava, Prof. Yasir Syed, and Prof. Edna Grünblatt
Since 2023	Lorenzo Davide Dodi (since 2023), PhD, D-BSSE, ETH Zurich; Members: Prof. Andreas Hierlemann and Prof. Edna Grünblatt

## 8. TEACHING ACTIVITIES

UZH	Brain Biology (IDB401); Cellular Modelling of Neuropsychiatry (BME365); iPSC Seminar (IRM20001); Molecular and Neurobiochemical translational research in neurodevelopment (PSY17M02); Mantelstudium: Psychiatrie 1- Biowissenschaftliche Methoden zur Erforschung psychischer Krankheitsbilder (81MAS304);
ETHZ	Translational Neuroscience (376-1307-00L) = Shared slides and video interview
Uni Würzburg	Biomarker in der Psychiatrie (03271000); Fortgeschrittenenpraktikum in Neurobiologie (06070460)
ECNP	Course on ' <a href="#">A modernised concept of ADHD</a> '; as lecturer, chair and scientific committee member

## 9. MEMBERSHIPS IN PANELS, BOARDS, etc.

2023-today	Executive Board, <a href="#">UMZH</a> Biobank
2021-today	UZH, Faculty of Medicine, <a href="#">Clinical neuroscience and psychiatry</a> Committee member
2020-today	Founder (with Prof. Bachmann-Gagescu & Dr. Tackenberg) of the <a href="#">iPSC-based research in Zurich</a> .

<sup>1</sup> Received the best [Master thesis award 2023](#) at the MNF, UZH.

<sup>2</sup> Received the [ZNZ Best Dissertation Award 2018](#)

2019-today	Chair of the <a href="#">ECNP Thematic Working Group “iPSCs platform for studies of neuropsychopharmacology and neuropsychiatric disorders”</a>
2013-11.2023	Neuroscience centre Zürich (ZNZ) <a href="#">Equity and Inclusion Committee</a>
2017-2022	Internet & Me, <a href="#">COST-PUI</a> MC member & WP lead
2014-today	Member of the working group, Enhancing Neuroimaging Genetics through Meta-Analysis ( <a href="#">ENIGMA</a> )-OCD
2013-today	In various „Berufungskommissionen von der Medizinischen Fakultät der UZH als ex-officio Mitglied (Representant of the VFFL/Titularprof)“
2013-today	Member of the working group, <a href="#">Psychiatric Genomics Consortium (PGC)- OCD and TS</a>

## **10. ACTIVE MEMBERSHIPS IN SCIENTIFIC SOCIETIES**

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2022-today	ECNP Network “ADHD across the Lifespan”
2020-today	ALBA Network member
2019-today	ECNP Network “iPSC platform for studies of neuropsychopharmacology and neuropsychiatric disorders”
2019-today	World Association for Stress Related and Anxiety Disorders (WASAD)
2018-today	International Society for Stem Cell Research (ISSCR)
2016-today	Swiss stem cell network (SSCN)
2013-today	Swiss Biosafety Network (SBNet)
2013-today	World Federation of ADHD
2013-today	Swiss Society of Biological Psychiatry (SSBP)
2012-today	The Zurich Centre for Integrative Human Physiology (ZIHP)
2012-today	Neuroscience centre Zürich (ZNZ)
2012-today	ECNP Network „Obsessive Compulsive and Related Disorders (OCRN)“
2012-today	ECNP Network „Child and Adolescent Neuropsychopharmacology“
2012-today	European College of Neuropsychopharmacology (ECNP)
2011-today	Swiss Society of Neuroscience (SSN)
2010-today	College of Obsessive-Compulsive Spectrum Disorders (ICOCS)
2006-2011	Neurowissenschaftliche Gesellschaft e.V. (Deutschland)
2005-2011	Deutsche Gesellschaft für Biologische Psychiatrie
2000-today	Federation of European Neuroscience Society (FENS)

## **11. ORGANIZATION OF CONFERENCES (SELECTION)**

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2014, 2015, 2018	GRC Funds UZH- E. Grünblatt PI- ZNZ Retreat on scientific career planning;
2017, 2018, 2019	Tag der Forschung / 4. - 6. Burghölzli Psychiatrie Meeting
14-16.01.2019	International Training School and Conference on Problematic Usage of the Internet (PUI), Cambridge, UK.
08.04.2020	Safe and Effective Internet Use in the time of the Covid-19 pandemic: Guidance from COST Action 16207 European Network for Problematic Usage of the internet. Webinar COST Academy online learning.
14-15.09.2021	Joint <a href="#">MINDDS-ECNP workshop</a> “Patient iPSC studies: Translatability for Mental Health“.
17-19.04.2024	<a href="#">ImpACT</a> and <a href="#">ECNP ADHD network</a> meeting incl. session for lived experience
11-14.10.2025	38 <sup>th</sup> ECNP Congress, Scientific Program Committee member.

## **12. PRIZES, AWARDS FELLOWSHIPS**

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09.2023	<a href="#">The Senator Dr. Franz Burda Award 2023</a> for outstanding research on neurodegenerative disorders (Prof. Edna Grünblatt & Prof. Gregor Wenning).
10.2018	Herman Westenberg Prize 2018, ICOCS meeting, shared prize with Walitza S, Zellmann H, Ball J, Brezinka V, Tagwerker F, Mailender V, Ruetter C, Wewetzer Ch “Relation between duration of untreated illness and the outcome of early onset OCD”
09.2013	Hanse-Preis für Psychiatrie 2013: Outstanding achievements in the field of Molecular Psychiatry and her contribution “ADHD medication and its effects on the brain”.
09.2008	Genomic Pioneers: The most admired researcher award for outstanding contribution in the field of Genomic, HGM 2008; HUGO.
04.2008	Merz Preis für Hirnforschung; VITA-Studie (shared with Prof. P Fischer & Mag. S. Jungwirth)
12.2007	Travel Grant, XVII WFN World Congress on Parkinson’s disease and Related Disorders, 9th -13th December 2007, Amsterdam, The Netherlands.
11.2005	Der Hirnliga-Forschungspreis. Hirnliga e.V. (Shared with Dr. Henrike Wolf, Psychiatrie Klinik, Leipzig).

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06.2005	Fellowship-Programm der Deutschen Gesellschaft für Biologische Psychiatrie zum 8th World Congress of Biological Psychiatry. Vienna, Austria, 28. Juni to 3. July, 2005.
02.2005	Travel Grant, 4. Deutscher Parkinson-Kongress, Frankfurt am Main, Germany, 3-5th March, 2005.
10.2002	Congress Fellowship, 8th Congress of the Deutsche Gesellschaft für Biologische Psychiatrie, Düsseldorf, Germany, 10-12th October 2002.
07.2002	Travel Fellowship, The 8th International Conference on Alzheimer's disease and Related Disorders, Alzheimer's Association. Stockholm, Sweden, July 20-25th, 2002.
03.2001	Award for the best scientific poster on the subject: Early and late changes in MPTP mice model of Parkinson's disease, at the 2. Deutscher Parkinson-Kongress, Bochum, Germany, March 7-10th, 2001.
12.1999	Award for excellence in poster presentation at the Annual Meeting of the Israel Society for Oxygen and Free Radical Research and the 13th Rappaport Symposium, Haifa, Israel, Dec. 5th, 1999.
07.1999	Congress Fellowship, International Federation of Parkinson's Disease Foundations, Inc. XIII International Congress on Parkinson Disease, Vancouver, Canada, July 24-28th, 1999.

### 13. OUTREACH (e.g., technology and knowledge transfer activities)

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03.05.2012	WO 2012/056451 A2	Peripheral blood gene markers for early diagnosis of Parkinson's disease. Inventors. (6 Inventors)
16.06.2009	WO 2009/074331 A3	Early and differential diagnosis test for Alzheimer's disease (2 Inventors)

### 14. CAREER BREAKS

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1990-1992	2 years of military service at the Israeli Defense Force- Air Force.
02.2002	4 months of maternity leave and, later, 1 year of part-time work.
12.2004	4 months of maternity leave and, later, ½ year of part-time work.
2009	A scientific break of 1 year was due to taking over the task of building and establishing the new Molecular and Neurobiochemistry laboratory (now Translational Molecular Psychiatry) for the KJPP / PUK, UZH.

### 15. EDITORIAL AKTIVITIES

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03.2006-12.2011	Associate Editor, Journal of Alzheimer's disease
10.2011	Special Issue Editor, Journal Neural Transmission
08.2012-12.2016	Journal Molecular Psychiatry
2016-today	Associate Editor, Frontiers in Molecular Neuroscience
2016-today	Associate Editor, Frontiers in Synaptic Neuroscience
2016-today	Associate Editor, Frontiers in Cellular Neuroscience
2017-2019	Research Topic Editor (Grünblatt E, Walitza S, Michel TM, Petryshen T, Eds.) , Frontiers in Neuroscience, Pharmacology, Psychiatry, Public Health, Pediatrics and Molecular Neuroscience "Neurodevelopmental processes in health and disease: bridging basic and clinical research"
2019-today	Associate Editor, <a href="#">Comprehensive Psychiatry</a>
2019-2021	Special topic " <a href="#">Stem cells and Autism Research</a> " associate editor, Molecular Autism
2022-2023	Research Topic Editor (Edna Grünblatt, Katarzynna Prochwicz, Christine Lochner, Eds.) , Frontiers in Psychiatry, " <a href="#">Obsessive-compulsive Related Disorders (OCRD) Across the Lifespan</a> "
2023-today	Research Topic Editor (Grünblatt Edna, Kaifang Pang, Rachita Yadav, Tanisha Singh, Joana Ferreira, Eds.) , Frontiers in Psychiatry, Molecular Psychiatry, " <a href="#">Molecular Mechanisms in Psychiatry 2023: Neurodevelopmental Disorders</a> "

**16. REVIEWER ACTIVITIES FOR JOURNALS**

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Attention deficit hyperactivity disorder; Basal Ganglia; Behav Brain Res; BMC Genomics; BMC Medical Genomics; Brain Research; British J Pharmacology; Cell & Tissue Research; Clinical Medicine: Comprehensive Psychiatry; Clinical Pharmacology & Therapeutics; Current Pharmaceutical design; Current Topic Medical Chemistry; Expert opinion on drug discovery; Experimental Gerontology; Eur Archives of Psychiatry and Clinical Neuroscience; Eur Child & Adolescent Psychiatry; Eur Psychiatry; Frontiers in cell and developmental biology; Frontiers in Cellular Neuroscience; Frontiers in Neurology; Gastroenterology; Int. J Developm. Neurosc.; Int. J Neuropsychopharmacology; Int. J Psychiatry in clinical practice; J Affective Disorder; J Alzheimer's Disease; J Child and Adolescent Psychopharmacology; J Neural Transmission; J Neurochemistry; J Neuropathology and Experimental Neurology; J Neuroscience Methods; J Neuroscience Research; J Molecular Psychiatry; J Psychiatric Research; Lancet Psychiatry; Meta Gene; Molecular Medicine; Molecular Psychiatry; Neuropsychiatric Disease and Treatment; Pharmacol Biochem Behav; Pharmacogenetic & Genomics; PLoS one; Progress in Neuro-Psychopharmacology & Biological Psychiatry; Translational Psychiatry; World J Biological Psychiatry; Zeitschrift für Gerontologie und Geriatrie; Neuropsychopharmacology;

**17. REVIEWING ACTIVITIES**

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The Swiss National Science Foundation (SNSF), Expert reviewer  
The University of Zurich Forschungskredit, Expert reviewer  
NSW Brain Bank (NSWBB), Expert reviewer  
Reviewer of Dissertation of Medicine Faculty, University of Zurich  
ECNP Scientific Advisory Panel, Expert reviewer  
Science Connect, Expert reviewer  
Vienna BioCenter, VIP<sup>2</sup> programme, Expert reviewer  
International OCD Foundation (IOCDF) awards program, Expert reviewer  
Qatar Biomedical Research Institute (QBRI) program, Expert reviewer  
European Research Council (ERC) advanced grant, Expert reviewer  
FLAG-ERA (the Flagship ERA-NET), Chair and expert reviewer