

**CURRICULUM VITAE***Prof. Edna Grünblatt, Medical Science**Translational Molecular Psychiatry, PUK, UZH**Wagistrasse 12, CH-8952 Schlieren, Switzerland**Phone: +41(0)43 556 4039; E-mail: [edna.gruenblatt@kjp.d.uzh.ch](mailto:edna.gruenblatt@kjp.d.uzh.ch)**Researcher ORCID ID: 0000-0001-8505-7265; ResearcherID: A-6762-2016***1. CURRENT POSITION**

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

**2. EDUCATION**

06.10.2015 **Professor Title (Titularprofessorin)** 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  
 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 Chemical Engineer

**3. PROFESSIONAL AND ACADEMIC EXPERIENCES**

10.2000-04.2009 **Post-Doc, Research Fellow and Assistant Professor** in the Clinical Neurochemistry Laboratory and the NPF excellence centre, Clinic for Psychiatry, Psychosomatic and Psychotherapy, University of Würzburg, Germany.  
 7.1997-10.1997 **Summer traineeship** in Novartis AG, Basel, Switzerland, at the Neuroscience laboratories in molecular biology of neurodegenerative diseases.  
 7.1995-10.1995 **Summer traineeship** in the Fraunhofer Institute - Chemische Technologie - ICT / Germany. Detection of various materials in a new method of U.I.R.  
 7.1994-10.1994 **Summer traineeship** in laboratories of Frutarom Ltd. Akko / Israel, Petrochemical. Inorganic laboratory: quality control and environmental control.

**4. RESEARCH PROJECTS AS LEADING INVESTIGATOR (SELECTION)**

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 & 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 & 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 patient's 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](#): E. Grünblatt co-PI (Prof. Markus Landolt): Epigenetic alterations in stress regulation genes among newborns after fetal surgery for myelomeningocele repair: An exploratory study  
 2017-2022 [COST- European Network for Problematic Usage of the Internet \(EU-PUI\)](#). N. Fineberg Chair, E.Grünblatt, WG4 and MC member- advance brain-based research into PUI and mental disorders,  
 2017-today [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?  
 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

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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
2004-2011	Deutsche Forschungsgemeinschaft (DFG)- Lead of WG4 <a href="#">Molekulare Pathogenese und Endophänotypen im Therapieverlauf in KFO125</a>

### 5. SUPERVISION OF JUNIOR RESEARCHERS

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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=25)	Nyffeler J (2012), MSc., MNF, UZH; Saxer J (2012) Msc. Pharmakologie, ETHZ; Münt S (2013), MSc, MNF, UZH; Conda M (2014), MSc, Mol Biologie, Uni Zagreb; Schmidt K (2014), MSc, Cell Biologi, ETHZ; Rokyta J. (2016) MSc, Biology, ETHZ; Müller Rea (2017), MSc, MNF, UZH; Ruesch M (2016) MSc, Biomedical Engineering, Uni Bern; Re S (2017) MSc, MNF, UZH; Ruder J (2017) MSc, MeF, UZH; Dr. med. Kormos E (2018) MSc, MNF, UZH; Mehta S (2018) MSc, MNF, UZH; Maggi K (2018) MSc, MNF, 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 Supérieure de Chemie Physique Electronique de Lyon; Koppelmaa KJ (2023), MSc., Health Sciences and Technology, ETHZ; Sinthujun Poopalaratnam (since 2023), MSc., Neuroscience, King's college London;
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 (since 2020), PhD, MNF, UZH; Walter NM (since 2021), PhD, MNF, UZH;
PhD committee (n=5)	Lilia Papst (2019), PhD, LMU Systemic Neuroscience, Munich; Helena Sofia Caria Martins (2021), PhD, Neuroscience, ETH Zurich; Arian Ehterami (since 2021), PhD, Biomedicine, MNF, UZH; Juliette Giacobbe (since 2023), PhD, Neuroscience, King's college London; Lorenzo Davide Dodi (since 2023), PhD, D-BSSE, ETH Zurich
Post-Doc (n=5)	Dr. Marinova Z (2010-2015); Dr. rer. nat. Bartl J (2012-2015); Dr. med. Werling AM (Habilitation 2022); Dr. Smigielski L (Since 2018); Dr. Joyce C (2018-2019).

### 6. TEACHING ACTIVITIES (CURRENT)

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UZH	Brain Biology (IDB401); Cellular Modelling of Neuropsychiatry (BME365); iPSC Seminar (IRM20001); Molecular and Neurobiochemical translational research in neurodevelopmental (PSY17M02); Mantelstudium: Psychiatrie 1- Biowissenschaftliche Methoden zur Erforschung psychischer Krankheitsbilder (81MAS304);
ETHZ	Translational Neuroscience (376-1307-00L)
Uni Würzburg	Biomarker in der Psychiatrie (03271000); Fortgeschrittenenpraktikum in Neurobiologie (06070460)

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

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2021-today	UZH, Faculty of Medicine, <a href="#">Clinical neuroscience and psychiatry</a> Committee member
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 (ENIGMA)-OCD
2013-today	In various „Berufungskommission von der Medizinische Fakultät der UZH als ex-officio Mitglied (Repräsentant VFFL/Titularprof)“
2013-today	Member of the working group, Psychiatric Genomics Consortium (PGC)- OCD and TS

### 8. ACTIVE MEMBERSHIPS IN SCIENTIFIC SOCIETIES

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2022-today	ECNP Network “ADHD across the Lifespan”
2019-today	ECNP Network “iPSC platform for studies of neuropsychopharmacology and neuropsychiatric

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

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

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	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 (SBNNet)
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)

### **9. 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“.

### **10. 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. E 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 Netherland.
11.2005	Der Hirnliga-Forschungspreis. Hirnliga e.V. (Shared with Dr. Henrike Wolf, Psychiatrie Klinik, Leipzig).
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-Congress, Bochum, Germany, March 7-10th, 2001.
12.1999	Award for excellence of 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.

### **11. 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)
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16.06.2009 WO 2009/074331 A3 Early and differential diagnosis test for Alzheimer's disease (2 Inventors)

## 12. CAREER BREAKS

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1990-1992 2 years of military service at the Israeli Defence 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 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.

## 13. 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, [Comprehensive Psychiatry](#)  
 2019-2021 Special topic "[Stem cells and Autism Research](#)" associate editor, Molecular Autism  
 2022-2023 Research Topic Editor (Grünblatt E, Katarzynna Prochwicz, Christine Lochner, Eds.) , Frontiers in Psychiatry, "[Obsessive-compulsive Related Disorders \(OCRD\) Across the Lifespan](#)"  
 2023-today Research Topic Editor (Grünblatt E, Kaifang Pang, Rachita Yadav, Tanisha Singh, Joana Ferreira, Eds.) , Frontiers in Psychiatry, Molecular Psychiatry, "[Molecular Mechanisms in Psychiatry 2023: Neurodevelopmental Disorders](#)"

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