

## PUBLICATION LIST - Prof. Dr. Edna Grünblatt

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 No. of original works = 127; No. of original works (first/last author) = 30/36;  
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 Web of knowledge hirsch-index=48; Times cited= 8'707  
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 ResearchGate h-index=54; Citations=11'861  
 Google Scholar h-index=59; i10-index=148; Citations=13'390

### I. Original work (bioRxiv/ medRxiv)

1. Nora I. Strom, Dongmei Yu, Zachary F. Gerring, Matthew W. Halvorsen, Abdel Abdellaoui, Cristina Rodriguez-Fontenla, Julia M. Sealock, Tim Bigdeli, Jonathan R. I. Coleman, Behrang Mahjani, Jackson G. Thorp, Katharina Bey, Christie L. Burton, Jurjen J. Luykx, Gwyneth Zai, Kathleen D. Askland, Cristina Barlassina, Judith Becker Nissen, Laura Bellodi, O. Joseph Bienvenu, Donald Black, Michael Bloch, Julia Boberg, Rosa Bosch, Michael Breen, Brian P. Brennan, Helena Brentani, Joseph D. Buxbaum, Jonas Bybjerg-Grauholm, Enda M. Byrne, Beatriz Camarena, Adrian Camarena, Carolina Cappi, Angel Carracedo, Miguel Casas, Maria C. Cavallini, Valentina Ciullo, Edwin H. Cook, Vladimir Coric, Bernadette A. Cullen, Elles J. De Schipper, Bernie Devlin, Srdjan Djurovic, Jason A. Elias, Lauren Erdman, Xavier Estivil, Martha J. Falkenstein, Bengt T. Fundin, Maiken E. Gabrielsen, Fernando S. Goes, Marco A. Grados, Jakob Grove, Wei Guo, Jan Haavik, Kristen Hagen, Alexandra Havdahl, Ana G. Hounie, Donald Hucks, Christina Hultman, Magdalena Janecka, Michael Jenike, Elinor K. Karlsson, Julia Klawohn, Lambertus Klei, Janice Krasnow, Kristi Krebs, Jason Kropf, Nuria Lanzagorta, Fabio Macciardi, Brion Maher, Evonne McArthur, Nathaniel McGregor, Nicole C. McLaughlin, Sandra Meier, Euripedes C. Miguel, Maureen Mulhern, Paul S. Nestadt, Erika L. Nurmi, Kevin S. O'Connell, Lisa Osiecki, Teemu Palviainen, Fabrizio Piras, Federica Piras, Ann E. Pulver, Raquel Rabionet, Alfredo Ramirez, Scott Rauch, Abraham Reichenberg, Jennifer Reichert, Mark A. Riddle, Stephan Ripke, Aline S. Sampaio, Miriam A. Schiele, Laura G. Sloofman, Jan Smit, Janet L. Sobell, María Soler Artigas, Laurent F. Thomas, Homero Vallada, Jeremy Veenstra-VanderWeele, Nienke N. C. C. Vulink, Christopher P. Walker, Ying Wang, Jens R. Wendland, Bendik S. Winsvold, Yin Yao, Pino Alonso, Götz Berberich, Cynthia M. Bulik, Danielle Cath, Daniele Cusi, Richard Delorme, Damiaan Denys, Valsamma Eapen, Peter Falkai, Thomas V. Fernandez, Abby J. Fyer, Daniel A. Geller, Hans J. Grabe, Benjamin D. Greenberg, Gregory L. Hanna, Ian M. Hickie, David M. Hougaard, Norbert Kathmann, James Kennedy, Liang Kung-Yee, Mikael Landén, Stéphanie Le Hellard, Marion Leboyer, Christine Lochner, James T. McCracken, Sarah E. Medland, Preben B. Mortensen, Benjamin Neale, Humberto Nicolini, Merete Nordentoft, Michele Pato, Carlos Pato, David L. Pauls, Nancy L. Pedersen, John Piacentini, Christopher Pittenger, Danielle Posthuma, Josep A Ramos-Quiroga, Steven A. Rasmussen, Kerry J. Ressler, Margaret A. Richter, Maria C. Rosário, David R. Rosenberg, Stephan Ruhrmann, Jack F. Samuels, Sven Sandin, Paul Sandor, Gianfranco Spalletta, Dan J. Stein, S. Evelyn Stewart, Eric A. Storch, Barbara E. Stranger, Maurizio Turiel, Thomas Werge, Ole A. Andreassen, Anders D. Børglum, Susanne Walitza, Bjarne K. A. Hansen, Christian P. Rück, Nicholas G. Martin, Lili Milani, Ole Mors, Ted Reichborn-Kjennerud, Marta Ribasés, Gerd Kvale, David Mataix-Cols, Katharina Domschke, **Edna Grünblatt**, Michael Wagner, John-Anker Zwart, Gerome Breen, Gerald Nestadt, Andres Metspalu, Jaakko Kaprio, Paul D. Arnold, Dorothy E. Grice, James A. Knowles, Helga Ask, Karin J. H. Verweij, Lea K. Davis, Dirk J. A. Smit, James J. Crowley, Carol A. Mathews, Eske M. Derks, Jeremiah M. Scharf, Manuel Mattheisen (2021) Genome-wide association study identifies new locus associated with OCD. MedRxiv. doi: <https://doi.org/10.1101/2021.10.13.21261078>

### II. Original work peer-reviewed

1. Kagerer SM, Awasthi S, Ripke S, Maceski A, Benkert P, Fall AB, Riederer P, Fischer P, Walitza S, **Grünblatt E**, Kuhle J, Unschuld PG (2023) Polygenic risk for Alzheimer's disease is associated with neuroaxonal damage before onset of clinical symptoms. *Accepter. Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring.*

2. Le Guen Y, Luo G, Ambati A, Damotte V, Jansen I, Yu E, Nicolas A, de Rojas I, Peixoto Leal T, Miyashita A, Bellenguez C, Lian MM, Parveen K, Morizono T, Park H, Grenier-Boley B, Naito T, Küçükali F, Talyansky SD, Yogeshwar SM, Sempere V, Satake W, Alvarez V, Arosio B, Belloy ME, Benussi L, Boland A, Borroni B, Bullido MJ, Caffarra P, Clarimon J, Daniele A, Darling D, Dobbie S, Deleuze JF, Dichgans M, Dufouil C, Durrin E, Düzel E, Galimberti D, Garcia-Ribas G, García-Alberca JM, García-González P, Giedraitis V, Goldhardt O, Graff C, **Grünblatt E**, Hanon O, Hausner L, Heilmann-Heimbach S, Holstege H, Hort J, Jung YJ, Jürgen D, Kern S, Kuulasmaa T, Lee KH, Lin L, Masullo C, Mecocci P, Mehrabian S, de Mendonça A, Boada M, Mir P, Moebus S, Moreno F, Nacmias B, Nicolas G, Niida S, Nordestgaard BG, Papenberg G, Pappa M, Parnetti L, Pasquier F, Pastor P, Peters O, Pijnenburg YAL, Piñol-Ripoll G, Popp J, Porcel LM, Puerta R, Pérez-Tur J, Rainero I, Ramakers I, Real LM, Riedel-Heller S, Rodriguez-Rodriguez E, Ross OA, Luis Royo J, Rujescu D, Scarmeas N, Scheltens P, Scherbaum N, Schneider A, Seripa D, Skoog I, Solfrizzi V, Spalletta G, Squassina A, van Swieten J, Sánchez-Valle R, Tan EK, Tegos T, Teunissen C, Thomassen JQ, Tremolizzo L, Vyhalek M, Verhey F, Waern M, Wiltfang J, Zhang J; EADB; GR@ACE study group; DEGESCO consortium; DemGene; EADI; GERAD; Asian Parkinson's Disease Genetics consortium; Zetterberg H, Blennow K, He Z, Williams J, Amouyel P, Jessen F, Kehoe PG, Andreassen OA, Van Duin C, Tsolaki M, Sánchez-Juan P, Frikke-Schmidt R, Sleegers K, Toda T, Zettergren A, Ingelsson M, Okada Y, Rossi G, Hiltunen M, Gim J, Ozaki K, Sims R, Foo JN, van der Flier W, Ikeuchi T, Ramirez A, Mata I, Ruiz A, Gan-Or Z, Lambert JC, Greicius MD, Mignot E. (2023) Multiancestry analysis of the HLA locus in Alzheimer's and Parkinson's diseases uncovers a shared adaptive immune response mediated by HLA-DRB1\*04 subtypes. *Proc Natl Acad Sci U S A*. 120(36):e2302720120. (Epub 2023 Aug 29). <https://doi.org/10.1073/pnas.2302720120>
3. Yde Ohki CM, Walter NM, Rickli M, Salazar Campos JM, Werling AM, Döring C, Walitza S, **Grünblatt E** (2023) Protocol for a Wnt reporter assay to measure its activity in human neural stem cells derived from induced pluripotent stem cells. 5: 100095. *Current Res Neurobiol*. <https://doi.org/10.1016/j.crneur.2023.100095>
4. Albersmann M, Emery S, Baumgartner N, Strumberger M, Erb S, Wöckel L, Müller-Knapp U, Rhiner B, Contin-Waldvogel B, Bachmann S, Schmeck K, Berger G; \*Omega-3 Study Team; Häberling I. Executive functions and borderline personality features in adolescents with major depressive disorder. (2023) *Front Hum Neurosci*. 17:957753. doi: 10.3389/fnhum.2023.957753. (\***Grünblatt E** et al)
5. European Alzheimer's & Dementia Biobank Mendelian Randomization (EADB-MR) Collaboration; Luo J, Thomassen JQ, Bellenguez C, Grenier-Boley B, de Rojas I, Castillo A, Parveen K, Küçükali F, Nicolas A, Peters O, Schneider A, Dichgans M, Rujescu D, Scherbaum N, Jürgen D, Riedel-Heller S, Hausner L, Porcel LM, Düzel E, Grimmer T, Wiltfang J, Heilmann-Heimbach S, Moebus S, Tegos T, Scarmeas N, Clarimon J, Moreno F, Pérez-Tur J, Bullido MJ, Pastor P, Sánchez-Valle R, Alvarez V, Boada M, García-González P, Puerta R, Mir P, Real LM, Piñol-Ripoll G, García-Alberca JM, Royo JL, Rodriguez-Rodriguez E, Soinen H, Kuulasmaa T, de Mendonça A, Mehrabian S, Hort J, Vyhalek M, van der Lee S, Graff C, Papenberg G, Giedraitis V, Boland A, Bacq-Daian D, Deleuze JF, Nicolas G, Dufouil C, Pasquier F, Hanon O, Dobbie S, **Grünblatt E**, Popp J, Benussi L, Galimberti D, Arosio B, Mecocci P, Solfrizzi V, Parnetti L, Squassina A, Tremolizzo L, Borroni B, Nacmias B, Sorbi S, Caffarra P, Seripa D, Rainero I, Daniele A, Masullo C, Spalletta G, Williams J, Amouyel P, Jessen F, Kehoe P, Tsolaki M, Rossi G, Sánchez-Juan P, Sleegers K, Ingelsson M, Andreassen OA, Hiltunen M, Van Duijn C, Sims R, van der Flier W, Ruiz A, Ramirez A, Lambert JC, Frikke-Schmidt R. (2023) Genetic Associations Between Modifiable Risk Factors and Alzheimer Disease. *JAMA Netw Open*. 6(5):e2313734. Erratum in: *JAMA Netw Open*. 2023 Jun 1;6(6):e2321189. doi: 10.1001/jamanetworkopen.2023.13734.
6. Yde Ohki CM, Walter NM, Rickli M, Van Puyenbroeck P, Döring C, Hoffmann P, Herms S, Werling AM, Walitza S, **Grünblatt E** (2023) Generation of induced pluripotent stem cells from two ADHD patients and two healthy controls. 69: 103084. *Stem Cell Research*. <https://doi.org/10.1016/j.scr.2023.103084>
7. Wenzl FA, Mengozzi A, Mohammed SA, Mongelli A, Pugliese NR, Ambrosini S, Riederer P, Fischer P, Hinterberger M, Puspitasari Y, Lüscher TF, Camici GG, Fadini GP, Virdis A, Masi S, Ruschitzka F, **Grünblatt E**, Paneni F, Costantino S (2023) Circulating long non-coding RNA

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8. Yde Ohki, C. M., Walter NM, Bender A, Rickli M, Ruhstaller S, Walitza S, **Grünblatt E** (2023) Growth rates of human induced pluripotent stem cells and neural stem cells from Attention-Deficit Hyperactivity Disorder patients: a preliminary study. 130(3): 243-252 *J Neural Transm*. (Epub 2023 February 17) <https://doi.org/10.1007/s00702-023-02600-1>
  9. Bavato F, Stamatakos S, Yde Ohki CM, Seifritz E, Romualdi P, **Grünblatt E\***, Quednow BB\* (2022) Brain-derived neurotrophic factor protects serotonergic neurons against 3,4-methylenedioxymethamphetamine (“Ecstasy”) induced cytoskeletal damage. *J Neural Transm*. 129(5-6):703-711 \* Contributed equally. (Epub 2022 April 14) <https://doi.org/10.1007/s00702-022-02502-8>
  10. Le Guen Y, Belloy ME, Grenier-Boley B, de Rojas I, Castillo-Morales A, Jansen I, Nicolas A, Bellenguez C, Dalmasso C, Küçükali F, Eger SJ, Rasmussen KL, Thomassen JQ, Deleuze JF, He Z, Napolioni V, Amouyel P, Jessen F, Kehoe PG, van Duijn C, Tsolaki M, Sánchez-Juan P, Sleegers K, Ingelsson M, Rossi G, Hiltunen M, Sims R, van der Flier WM, Ramirez A, Andreassen OA, Frikke-Schmidt R, Williams J, Ruiz A, Lambert JC, Greicius MD; Members of the EADB, GR@ACE, DEGESCO, DemGene, GERAD, and EADI Groups, Arosio B, Benussi L, Boland A, Borroni B, Caffarra P, Daian D, Daniele A, Debette S, Dufouil C, Düzel E, Galimberti D, Giedraitis V, Grimmer T, Graff C, **Grünblatt E**, Hanon O, Hausner L, Heilmann-Heimbach S, Holstege H, Hort J, Jürgen D, Kuulasmaa T, van der Lugt A, Masullo C, Mecocci P, Mehrabian S, de Mendonça A, Moebus S, Nacmias B, Nicolas G, Olaso R, Papenberg G, Parnetti L, Pasquier F, Peters O, Pijnenburg YAL, Popp J, Rainero I, Ramakers I, Riedel-Heller S, Scarmeas N, Scheltens P, Scherbaum N, Schneider A, Seripa D, Soininen H, Solfrizzi V, Spalletta G, Squassina A, van Swieten J, Teges TJ, Tremolizzo L, Verhey F, Vyhalek M, Wiltfang J, Boada M, García-González P, Puerta R, Real LM, Álvarez V, Bullido MJ, Clarimon J, Garcia-Alberca JM, Mir P, Moreno F, Pastor P, Piñol-Ripoll G, Molina-Porcel L, Pérez-Tur J, Rodríguez-Rodríguez E, Royo JL, Sánchez-Valle R, Dichgans M, Rujescu D. (2022) Association of Rare APOE Missense Variants V236E and R251G With Risk of Alzheimer Disease. 79(7):652-663 *JAMA Neurol*. (Epub 2022 May 31). doi: 10.1001/jamaneurol.2022.1166
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  12. Bellenguez C, Küçükali F, Jansen IE, Kleinedam L, Moreno-Grau S, Amin N, Naj AC, Campos-Martin R, Grenier-Boley B, Andrade V, Holmans PA, Boland A, Damotte V, van der Lee SJ, Costa MR, Kuulasmaa T, Yang Q, de Rojas I, Bis JC, Yaqub A, Prokic I, Chapuis J, Ahmad S, Giedraitis V, Aarsland D, Garcia-Gonzalez P, Abdelnour C, Alarcón-Martín E, Alcolea D, Alegret M, Alvarez I, Álvarez V, Armstrong NJ, Tsolaki A, Antúnez C, Appollonio I, Arcaro M, Archetti S, Pastor AA, Arosio B, Athanasiu L, Bailly H, Banaj N, Baquero M, Barral S, Beiser A, Pastor AB, Below JE, Benček P, Benussi L, Berr C, Besse C, Bessi V, Binetti G, Bizarro A, Blesa R, Boada M, Boerwinkle E, Borroni B, Boschi S, Bossù P, Bråthen G, Bressler J, Bresner C, Brodaty H, Brookes KJ, Brusco LI, Buiza-Rueda D, Bürger K, Burholt V, Bush WS, Calero M, Cantwell LB, Chene G, Chung J, Cuccaro ML, Carracedo Á, Cecchetti R, Cervera-Carles L, Charbonnier C, Chen HH, Chillotti C, Ciccone S, Claassen JAHR, Clark C, Conti E, Corma-Gómez A, Costantini E, Custodero C, Daian D, Dalmasso MC, Daniele A, Dardiotis E, Dartigues JF, de Deyn PP, de Paiva Lopes K, de Witte LD, Debette S, Deckert J, Del Ser T, Denning N, DeStefano A, Dichgans M, Diehl-Schmid J, Diez-Fairen M, Rossi PD, Djurovic S, Duron E, Düzel E, Dufouil C, Eiriksdottir G, Engelborghs S, Escott-Price V, Espinosa A, Ewers M, Faber KM, Fabrizio T, Nielsen SF, Fardo DW, Farotti L, Fenoglio C, Fernández-Fuertes M, Ferrari R, Ferreira CB, Ferri E, Fin B, Fischer P, Fladby T, Fließbach K, Fongang B, Fornage M, Fortea J, Foroud TM, Fostinelli S, Fox NC, Franco-Macías E, Bullido MJ, Frank-García A, Froelich L, Fulton-Howard B, Galimberti D, García-Alberca JM, García-González P, Garcia- Madrona S, Garcia-Ribas G, Ghidoni R, Giegling I, Giorgio G, Goate AM, Goldhardt O, Gomez-Fonseca D, González-Pérez A, Graff C, Grande G, Green E, Grimmer T, **Grünblatt E**, Grunin M, Gudnason V, Guetta-Baranes T, Haapasalo A, Hadjigeorgiou G, Haines JL, Hamilton-Nelson KL, Hampel H, Hanon O, Hardy J, Hartmann AM, Hausner L, Harwood J, Heilmann-Heimbach S, Helisalmi

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### III. Case report (peer-review)

1. **Grünblatt E.**, Tschakarjan S, Brezinka V, Walitza S (2014) Extraordinarily Fast Response to Low-Dose Sertraline in a Child with Severe Obsessive-Compulsive Disorder and High Functioning Serotonin Transporter Genotype. *J Child Adol. Psychopharmacol.* 24(2): 102-104 (Epub 2014 Jan 16)

### IV. Reviews (peer-review)

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#### V. Medical educational journals

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2. Walitza S, **Grünblatt E**, Brem S, Brandeis D, Drechsler R (2015) Was können Biomarker heute leisten? Über den Einsatz von Biomarkern in der psychiatrischen Diagnostik am Beispiel der ADHS. *PSYCH up2date*. 9(2): 65. DOI: 10.1055/s-0041-100216.
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#### VI. Conference manuscripts

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9. Koutsilieri E., Scheller C., **Grünblatt E.**, Nara K., Li J., Riederer P. (2002) Free radicals in Parkinson's disease. *J. Neurol.* 249(Suppl 2): II/1-II/5.
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11. **Grünblatt E.**, Mandel S., and Youdim M.B.H. (2000). Neuroprotective strategies in Parkinson's disease using the animal models of 6-hydroxydopamine and MPTP. *Ann. N.Y. Acad. Sci.*, 899: 262-273.
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### VII. Editorial / Letters

1. Lochner C, Prochwicz K, **Grünblatt E** (2023) Editorial: Obsessive-Compulsive Related Disorders (OCRDs) Across the Lifespan. In Print. *Frontiers Psychiatry*. DOI: 10.3389/fpsy.2023.1296074
2. King, D. L. & Gaming Industry Response Consortium (Abbott M.....**Grünblatt E**...Walitza S...et al.). (2018). Comment on the global gaming industry's statement on ICD-11 gaming disorder: A corporate strategy to disregard harm and deflect social responsibility? *Addiction*. 113(11): 2145-2146. DOI: [10.1111/add.14388](https://doi.org/10.1111/add.14388).
3. **Grünblatt E**, Decker J, Gerlach M (2013) *J. Neural Transm.* 120(1):1-2. (Epub 2012 July 13)
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### VIII. Book & Book chapters

1. Prochwicz, K., Lochner, C., **Grünblatt, E.**, eds. (2023). Obsessive-compulsive related disorders (OCRD) across the lifespan. Lausanne: Frontiers Media SA.eBook. doi: 10.3389/978-2-8325-3751-0
2. Werling AM, **Grünblatt E** (2022) A review of the genetic basis of problematic internet use. Book Chapter in *Current Opinion Behavioral Science*. 46: 101149. <https://doi.org/10.1016/j.cobeha.2022.101149>
3. Yde Ohki, C. M., McNeill, R., Nieberler, M., Radtke, F., Kittel-Schneider, S., **Grünblatt, E.** (2022). Promising developments in use of induced pluripotent stem cells in research of ADHD. In C. Stanford & E. Sciberras (Eds.), *New Discoveries in the Behavioral Neuroscience of Attention Deficit Hyperactivity Disorder*. Springer. (Book chapter). *Curr Topics Behav. Neurosci.* 483-501[Online ahead of print 12 May 2022] doi: 10.1007/7854\_2022\_346.
4. **Grünblatt E** (2021) Genetics of OCD and Related Disorders; Searching for Shared Factors. In "Future Trends In Obsessive-Compulsive And Related Disorders Research" 1<sup>st</sup> Edition, Fineberg N & Robbins TW Editors. Springer Nature Switzerland AG, *Curr Topics Behav. Neurosci.* 49: 1-16 doi: 10.1007/7854\_2020\_194
5. Finberg N, Dell'Osso B, Demetrovics Z, Chamberline S, Corazza O, Zohar J, Potenza M, Hollander E, Van Ameringen M, Sales C, Jones J, Hall N, Martinotti G, Burkauskas J, Menchon JM, **Grünblatt E**, Kiraly O (2020) Learning to deal with Problematic Usage of the Internet. COST (European Cooperation in Science and Technology), <https://doi.org/10.5167/uzh-208132>
6. Burton CL, Barta C, Cath D, Geller D, van den Heuvel OA, Yao Y, OCD and TS working group of the PGC, Eapen V\*, **Grünblatt E\***, Zai G\* (2019) Genetics of Obsessive-Compulsive Disorder and Tourette Disorder. In "Personalized Psychiatry", 1<sup>st</sup> Edition, Baune B Editor; (pp. 239-252). San Diego: Academic Press, Elsevier, Published date 1<sup>st</sup> June 2019. ISBN 9780128131763. \*Equal contribution
7. Sian-Hülsmann J, Monoranu CM, **Grünblatt E**, Riederer P (2018) Neurochemical markers as potential indicators of postmortem tissue quality. In "Handbook of Clinical Neurology", Brain Banking, Huitinga I, Webster MJ Editors; Elsevier; Volume 150, Chapter 9: 119-127. doi: 10.1016/B978-0-444-63639-3.00009-8
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9. Weinreb O, Amit T, **Grünblatt E**, Riederer P, Youdim M., Mandel S. (2007) Gene and Protein Expression Profiling in Parkinson's Disease: Quest for Neuroprotective Drugs. In "Handbook of Neurochemistry and Molecular Neurobiology", 3rd Edition, Degenerative Disease of the Nervous

- System. Youdim MBH, Riederer P, Mandel SA, Battistin L, Volume Editors; Springer, Berlin, Heidelberg. Chapter 2: 61-78
10. **Grünblatt E**, Mandel S, Riederer P, Youdim M.B.H (2007) Genes and Oxidative Stress in Sporadic and Familial Parkinsonism: cDNA Microarray Studies. In: Oxidative stress and neurodegenerative disorders. (G.Ali Qureshi & S. Hassan Parvez ed.) Elsevier Press, The Netherlands. Chapter 8: 201-218.
  11. Kettler R., Borroni E., Cesura A., **Grünblatt E.**, Jorga K., Richards J.G., Riederer P. and Da Prada M. (2002) Monoamine-oxidase-hemmer: Neurobiochemie, Wirkmechanismus. Pages 474-488 (Riederer P., Laux G. and Pödlinger W., Eds.), *Neuro-Psychopharmaka. Ein Therapie-Handbuch. Band 3: Antidepressiva, Phasenprophylaktika und Stimmungsstabilisierer*. Zweite, neubearbeitete Auflage, Springer-Verlag, Wien, Austria.
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  13. Mandel, S., **Grünblatt, E.**, and Youdim, M. B. H. (2000) cDNA microarray to study gene expression of dopaminergic neurodegeneration and neuroprotection in MPTP and 6-hydroxydopamine models: implications for Parkinson's disease. Pages 117-125 (P. Riederer, D. B. Calne, R. Horowski, Y. Mizuno, C. W. Olanow, W. Poewe, and M. B. H. Youdim, Eds.), *Advances in Neurodegeneration Diseases*, Vol. 8. Springer Medicine, Wien New York.
  14. Mandel S., **Grünblatt E.** and Youdim M.B.H. (1999). Therapeutic potential of radical scavengers in Parkinson's disease. In: *Free Radicals in Brain Pathophysiology*. (Poli, G. Cadenas, E., Packer, L., Eds), Marcel Decker press, NY, Chapter. 23, p. 487-500.

#### IX. Patent registration

- a. 28<sup>th</sup> July 2005      WO 2005/067391 A2    Diagnostic test for Parkinson's disease (4 Inventors)
- b. 16 June 2009      WO 2009/074331 A3    Early and differential diagnosis test for Alzheimer's disease (2 Inventors)
- c. 3<sup>rd</sup> May 2012      WO 2012/056451 A2    Peripheral blood gene markers for early diagnosis of Parkinson's disease. Inventors. (6 Inventors)

#### X. International scientific congresses- Invited speaker or chair (Last 8 years)

- 1) Speaker "Oxidative stress and inflammation in ADHD? Personalized in vitro modeling and treatment effects" at the WASAD congress, 11-13 Sept 2023, Zürich, Switzerland.
- 2) Speaker "Is ADHD a risk for Alzheimer's and Parkinson's disease? Linked via oxidative stress and inflammation?" at the WASAD congress, 11-13 Sept 2023, Zürich, Switzerland.
- 3) Speaker "Is there a link between ADHD and sporadic Alzheimer's disease? Wnt signaling?" at the 9<sup>th</sup> World congress on ADHD, 18-21 May 2023, Amsterdam, The Netherlands.
- 4) Speaker "Discovering molecular mechanisms of drug treatment using patient's derived-iPSC models" at the CINP congress 7-10 May 2023, Montreal, Canada.
- 5) Speaker "Last in first our" hypothesis: ADHD and cognitive decline- the Wnt-pathway link?, at the Würzburg Symposium, 18 June 2022, Würzburg, Germany.
- 6) Speaker "Elucidating brain growth alterations of ADHD children at the cellular level" at the ECNP ADHD in life span meeting, 16 June 2022, Barcelon, Spain.
- 7) Contribution on TV: SRF PULS 2 May 2022 "[Hyperaktivität-Erwachsene unter Dauerstrom](#)" (starting from 12.47 min).
- 8) Speaker «Erforschung der Neuroentwicklungsstörung ADHS: Modellierung mit Hilfe personalisierter induzierter pluripotenter Stammzellen» BrainFair 2022, Organized by the Neuroscience centre Zurich, 14-16 March 2022, Zürich, Switzerland.
- 9) Speaker "Wachsen ADHS-Neuronen anders? Eine Untersuchung mit pluripotenten Stammzellen» Schweizerische Fachgesellschaft ADHS, 10 March 2022, Virtual, Switzerland.
- 10) Speaker "Duration of untreated illness and clinical outcomes in childhood and adolescent OCD" ECNP congress, 2-5 October 2021, Lisbon Portugal.
- 11) Chair "Artificial neurons on chip", ECNP congress, 2-5 October 2021, Lisbon Portugal.
- 12) Speaker "Modelling ADHD: Potentials studying G x E interactions and therapy response", WASAD congress, 20-22nd Sept 2021, Vienna Austria.

- 13) Speaker “Involvement of the Wnt-signaling pathway in methylphenidate treatment of ADHD” Joint MINDDDS-ECNP meeting, Virtual workshop 14-15th Sept 2021
- 14) Speaker “iPSC and ADHD research” Joint McGill-ZNZ Workshop “Induced pluripotent stem cell-based modeling in brain disease research”, 8 December 2020, Virtual (Canada & Switzerland)
- 15) Speaker “Induced pluripotent stem cells to model neurodevelopmental disorders” ESCAP Research academy, Virtual meeting 26<sup>th</sup> August 2020.
- 16) Speaker: «The link between the genetic risk load, anxiety and stress in individuals at clinical high risk for psychosis» 2nd International Congress of the World Assoc. for Stress Related and Anxiety Disorders, 3-5 Oct 2019, Würzburg, Germany.
- 17) Chair: Workshop «Induced pluripotent stem cell models in neuroscience», ZNZ Symposium, 12 Sept 2019, Zürich, Switzerland.
- 18) Speaker: “Was können wir aus personalisierten ADHS-Modellen lernen? Neuronen in der Petrischale” 6. Nationale ADHS Tagung, BeFa 2019, 22 June 2019, Zürich, Switzerland.
- 19) Speakers: “ADHS und Epigenetik” Kinder- und Jugendpsychiatrisches Kolloquium, UPK, University Basel, 22 May 2019, Basel, Switzerland.
- 20) Speaker: Neurobiology seminars Medizinische Wissenschaften ME.5001 “Current knowledge on ADHD and new research approaches”, University of Fribourg, 27 March 2019, Fribourg, Switzerland.
- 21) Speaker: Intern Weiter- und Fortbildung Klinik für Kinder- und Jugendpsychiatrie und Psychotherapie, UZH “Update: ADHS und neue Modelle” 7<sup>th</sup> March 2019, Zurich, Switzerland.
- 22) Speaker: International Training School and Conference on Problematic Usage of the Internet (PUI) “Genetics of behavioural addiction, of relevance to PUI” COST-PUI, 14-16 January 2019, Cambridge, UK.
- 23) Speaker & chair: Brainstorming session “The potentials and limitations of personalized induced pluripotent stem cell (iPSC) models in neuropsychiatry” 31<sup>st</sup> ECNP Congress, 6-9 October 2018, Barcelona, Spain.
- 24) Speaker: “Personalisierte ADHS Modelle” PUK Symposium 2018: ADHS: Überwinden von Defiziten und Störungen, 26 April 2018, Zürich, Switzerland.
- 25) Speaker: “Oxidative stress parameters in a longitudinal aging population- the VITA study” WASAD Congress 2017, 14-17 September 2017, Würzburg, Germany.
- 26) Speaker: “Specificity of Biomarkers for OCD/ADHD” 13<sup>th</sup> World Congress of Biological Psychiatry, 18-22 June 2017, Copenhagen, Denmark.
- 27) Speaker: “The potentials of induced pluripotent stem cells: ADHD model in a dish” 6<sup>th</sup> World Congress on ADHD, 20-23 April 2017, Vancouver, Canada.
- 28) Speaker & chair: Brainstorming session “The current knowledge regarding psychostimulant /methylphenidate effects and mechanism of action in attention-deficit hyperactivity disorder (ADHD) and healthy subjects” 29<sup>th</sup> ECNP Congress, 17-20 September 2016, Vienna, Austria
- 29) Speaker: Epigenetische Veränderungen des serotonergen Systems in Zwangsstörungen im Kindesalter, DGKJP, 25-28 March 2015, München, Germany
- 30) Speaker: Biomarkers in ADHD, 12th World congress of Biological Psychiatry, Symposium: Biomarkers in psychiatric disorders, 14-18 June, Athens, Greece
- 31) Speaker: Epigenetic changes in the serotonergic system in pediatric OCD, 16th ESCAP congress, Symposium: Recent advances in the etiopathogenesis of pediatric OCD and related disorders: epigenetic, autoimmune and environmental aspects, 20-24 June 2015, Madrid, Spain
- 32) Speaker: Methylphenidate treatment in attention-deficit hyperactivity disorder: What do we know about the mechanism of action of methylphenidate? ESCAP congress, 6-10 July 2013, Dublin, Ireland
- 33) Speaker: Mechanism of ADHD treatment with stimulant, World congress on Parkinson's disease and related disorders, 8-11 December 2013, Geneva, Switzerland
- 34) Speaker/ Chair: Genetic Testing: does it make sense?. World congress on Parkinson's disease and related disorders, 8-11 December 2013, Geneva, Switzerland
- 35) Speaker: ADHD medication and its effects on the brain, Hansesymposium, 6-7 Sept 2013, Rostock, Germany
- 36) Speaker/Chair: New findings of copy number variations in Obsessive-Compulsive Disorder, In the symposium: Updates in molecular findings in child and adolescent psychiatry, ECNP congress, 13-17 October 2012, Wien Austria
- 37) Speaker/Chair in the workshop: Research models in ADHD, 3<sup>rd</sup> International congress on ADHD 26-29 May 2011, Berlin, Germany
- 38) Speaker: Biomarker Discovery II, Pathological Biomarkers, WFN-2011 PDRD Satellite Symposium, 15-16 December 2011, Shanghai, China
- 39) Speaker: Parkinson's disease: Molecular risk factors, WFN XIX World Congress on Parkinson's Disease and Related Disorders, 11-14 December 2011, Shanghai, China
- 40) Speaker/Chair: Copy number variations and early onset Obsessive-Compulsive Disorder – implications, World Congress of Biological Psychiatry, 29 May-2 June 2011, Prague