

**ANNEX II**

**MHeNs / EURON PhD EDUCATIONAL PROGRAM**

# COURSE PROGRAM MHeNs / EURON 2018

	Course/workshop/event	Organizer(s)	Description	Faculty staff MHeNs/EURON and partners (actively) involved	Number of participants	ECTS / duration
January 10-12, 2018	ESM Data Analysis Course - <a href="http://www.wvbauer.com/course_esm">http://www.wvbauer.com/course_esm</a>	Maastricht University / Wolfgang Viechtbauer	Graduate level course on methods for analyzing intensive longitudinal data as collected in studies using experience sampling methodology. Topics covered include: A brief introduction to ESM and related methods, data checking/preparation/cleaning, mixed-effects models for analyzing multilevel data (random intercepts and slopes models), models allowing for remaining correlation in the residuals (serial/autocorrelation), models with more than two levels, checking model assumptions, model selection/comparison/testing, models for other types of outcomes (e.g., dichotomous, multinomial, ordinal), psychometrics (reliability, validity, factor analysis with multilevel data), power analysis, and various advanced topics.	MHeNs: W. Viechtbauer	41	1 ECTS
December 3-5, 2018	meta-analysis course - <a href="http://www.wvbauer.com/course_ma">http://www.wvbauer.com/course_ma</a>	Maastricht University / Wolfgang Viechtbauer	Graduate level course on methods for meta-analysis. Topics covered include: Steps of a systematic review, extracting/calculating effect sizes and outcome measures for meta-analyses, equal/fixed/random/mixed-effects models, moderator analyses (meta-regression and subgrouping), model diagnostics (identifying outliers and influential studies) and sensitivity analyses, publication bias, multilevel/multivariate/network meta-analysis models (for handling dependent/correlated outcomes), missing data, and meta-analytic techniques for individual participant data.	MHeNs: W. Viechtbauer	38	1 ECTS
January 22, 2018	CIN Workshop "CNS pathways of hearing – neuroanatomy, neurophysiology, neuropsychology"	Maastricht University / David Linden, Sonja Kotz, Rainer Goebel, Marie-Therese Moers	Content: Auditory Pathways: focus on cortical and subcortical pathways; Tinnitus; Links between auditory and visual system.	MHeNs: D. Linden, R. van den Berg, J. van Tongeren, E. George. Other staff UM (FPN): S. Kotz, R. Goebel, F. De Martino, B. Sorger, L. Riecke, M. Roberts	59	no ECTS, 4,5 hr
January 23, 2018	12th MHeNs Topics in Translational Neuroscience Workshop "Stress, depression and Alzheimer's Disease"	Maastricht University / Daniel van den Hove, Nicole Senden, Marie-Therese Moers	12th MHeNs one-day workshop for PhD students. This workshop takes a closer look at the link between stress, depression and Alzheimer's disease, also highlighting alternative explanations on their association, e.g. by regarding MD as a prodromal phase or consequence of AD.	MHeNs: D. van den Hove, S. Koehler. Invited speaker: Prof. Arfan Ikram (University Medical Center Rotterdam)	24	0,5 ECTS
February 8 - 9, 2018	New Mood revival Meeting: Innovative aspects of serotonin and depression in neurodegeneration and neurodegenerative diseases	Maastricht University / Harry Steinbusch, Marie-Therese Moers	NewMood brought together 13 clinical and basic science groups in 10 EU countries to address the major unmet need of improving the understanding of depression, the drug treatment of which remains only partially effective and reliant on neurochemical actions discovered 50 years ago. Using a highly translational animal-human approach, the strategy has been to identify new depressive endophenotypes at the cognitive-behavioural, neural systems and molecular level that are the shared outcome of various interacting environmental and genetic risk mechanisms, in order to identify new candidate biomarkers of illness and targets for treatment.	MHeNs: H. Steinbusch, D. van den Hove, J. Prickaerts, G. Kenis, K.P. Lesch, B. Rutten, L. Curfs, S. Eussen, S. Koehler, F. Verhey. Invited speakers: B. Deakin (University of Manchester, UK); G. Juhasz and G. Bagdy (Sемmelweis University, Budapest), L. Lanfumey, M. Levy. M. hamon and R. Mongeau (Ecole des Neurosciences INSERM U894, Paris); R. Corredetti (Florence, Italy); S. Barde (University of Pune, India/ University of Skovde, Sweden), L. Kawa (University of Skovde, Sweden); B. Belloch (University of Navarra, Spain); R. Maldonado (Barcelona, Spain); T. Sharp (University of Oxford, UK), M. Kanarik and J. Harro (University of Tartu, Estonia)	83	no ECTS, 2 days

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Jan - June, 2018	Course "Software/Tools for Scientific Computing and Research" - <a href="https://wwiechtb.github.io/scrumb-club/">https://wwiechtb.github.io/scrumb-club/</a>	Maastricht University / Wolfgang Viechtbauer	Organized by the Scientific Computing and Research @ UM Club (SCRUM Club): a club for people interested in exploring and learning about software and tools for scientific computing and research. Other topics covered (e.g., version control via Git/GitHub; tools and websites for open science and reproducible research; other software and programming languages for scientific computing, such as Python, Julia, and Octave; free and open-source SPSS-like alternative stats packages, such as JASP, jamovi, and PSPP; presentation software/tools that are alternatives to PowerPoint; project/file organization; reference managers/tools; the use of social media for communicating about science/stats/academia/research; etc.).	MHeNs: W. Viechtbauer, O. Çınar (PhD student MHeNs), S. van Kuijk (MUMC+)	ca. 18	no ECTS, 1.5 - 2 hr per meeting
April 17-18, 2018	ESM Course - Experience Sampling Method in Psychopathology - <a href="https://mhens.mumc.maastrichtuniversity.nl/esm-course-1">https://mhens.mumc.maastrichtuniversity.nl/esm-course-1</a>	Maastricht University / Debora Op't Eijnde	This 2day course gives a full overview of all aspects related to the use of the Experience Sampling Method in psychopathology: background, techniques, questionnaires, statistics and implementation of your study. The study of persons in the context of normal daily life may provide a powerful and necessary addition to more conventional and cross-sectional research strategies in psychopathology. The Experience Sampling Method (ESM), also known as Ecological Momentary Assessments (EMA), is a mobile assessment approach designed to measure thoughts, mood, symptoms, and contextual information in the flow of daily life. ESM thus allows to capture the film rather than a snapshot of daily life reality of patients or research subjects. ESM has been proven to be feasible in patients with a wide range of psychopathology, including schizophrenia, major depression, bipolar disorder, eating disorder, and personality disorders. The availability of mobile technology as the PsyMate™ allows easy implementation of ESM in your practice.	MHeNs: P. Delespaul, N. Volbragt, K. Borkelmans, W. Viechtbauer. In addition: Claudia Simons (GGZE) and Nele Jacobs (Open University)	15	no ECTS, 2 days
April 20-23, 2018	First Annual PAIN-Net Meeting	Maastricht University / Karin Faber, Marie-Therese Moers, Peggy Bisschoff, Nicole Senden	The First Annual meeting of the PAIN-Net consortium, the molecule-to-man pain network. Topics: clinical neuroscience; clinical neurophysiology, methods in genetics, research ethics and integrity, safety in research, basic science of pain and applied research. Invited talks and oral presentations of early stage researchers.	MHeNs: C. Faber, J. Hoeijmakers, W. Mess, D. Hilkmann, B. Smeets, M. Molasy (PhD student). Other staff: M. Gerrits (Klinische Genetica, MUMC); Partners: <a href="http://www.pain-net.eu/consortium/beneficiaries/">http://www.pain-net.eu/consortium/beneficiaries/</a>	33	no ECTS, 4 days
May 24-25, 2018	Science of Translation: Optimizing animal models for neuropsychiatry	Cologne University / Department of Stereotactic and Functional / Neurosurgery / Thibaut Sesia, Veerle Visser-Vandewalle in collaboration with EURON	The Science of Translation: Optimizing Animal Models for Neuropsychiatry conference strives to promote interactions between senior scientists and junior scientist. Topics: (1) Animal modeling and testing causality; (2) Animal modeling and decoding the brain signaling; (3) Animal modeling and piloting new approaches. Invited plenary Lecture: Anthony Grace: "Translating from Animal Models to Human Schizophrenia: Insights into Pathophysiology, Treatment and Prevention"; poster session.	EURON: T. Sesia, V. Visser Vandewalle, A. Blokland	74	no ECTS, 1,5 day
May 25-26, 2018	4th Joint meeting of the Belgian-Dutch Neuromuscular study group and German Reference center for Neuromuscular Diseases, DGNN	Universitäts Klinikum Aachen / Joachim Weis, Doris Dahmen and Stephanie Labisch from Aachen, Peter Van den Bergh, Brussels, Kristl G. Claeys, Leuven, Karin Faber, Maastricht, Nathalie Goemans, Leuven, Nicolette Notermans, Utrecht, Werner Stenzel, Berlin in collaboration with EURON	Third meeting of Belgian-Dutch Neuromuscular Study Club and the Reference Center for Neuromuscular Diseases of the DGNN. The meeting is designed to foster the interaction between clinicians, neuropathologists and basic researchers engaged in the study of neuromuscular diseases and is open to everyone interested. However, advertisement for the meeting is limited to preserve the character of a smaller, highly interactive symposium. Topics: (1) Motor neuron diseases and Myasthenia; (2) Peripheral neuropathies; (3) Muscle disorders.	MHeNs: K. Faber, M. De Baets, M. Losen, J. Hoeijmakers, M. Sopacua (PhD student).	93	1.5 ECTS

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June 11-14, 2018	Course "From Human Neuroanatomy to Psychopathology"	Maastricht University/ Ali Jahanshahi, Gunter Kenis, Boris Kramer, Jörg Mey, Marie-Therese Moers, Peggy Bisschoff, Nicole Senden	This EURON/MHeNS course introduces PhD students to basic concepts and modern methods of neuroanatomy, functional neuroanatomy and neuropathology. Particular emphasis is placed on the neuroanatomical background of neurological and psychiatric disorders. The course of four consecutive days consists of lectures on mammalian brain anatomy, vasculature of the brain, functional and structural MRI methodologies. On all days students receive practical training in lab courses including dissection of a human brain and microscopical neuroanatomy of rodent brains and samples from human neuropathologies. There will be site visits to the MRI and TMS facilities and the Nanoscopy M4l unit. On several days we will link the functional and anatomical concepts to clinical neuropsychiatric disorders such as epilepsy, Parkinson's and Alzheimer's disease, affective disorders and developmental disorders. Current research questions will be addressed in one interactive seminar based on group work.	MHeNs: L. Ackermans, W. Backes, M. Bauwens, L. Goossens, G. Hoogland, H. Jacobs, A. Jahanshahi, G. Kenis, B. Kramer, J. Mey, D. Linden, R. van Oostenbrugge, N. Senden, H. Steinbusch, B. Kramer, J. Vermeulen / Other staff: M4l unit: C. Lopez-Iglesias, M. Lenders, H. Kuipers, H. Duimel and W. van de Wetering; A. Roebroek (FPN, UM), A. Herrler (Dept. Anatomy, UM); B. Brône (EURON, Hasselt University), A. Jankovski (EURON, UC Louvain), C. Yurttas (EURON associated partner Ege University, Izmir), A. Goswami (EURON, UK Aachen), A. Flohr ( Hoffmann-La Roche, Switzerland).	17	1,5 ECTS
July 1-6, 2018	Summer Course on Fear, Anxiety, Obsessions & Trauma	Universities of Maastricht and Florence / Koen Schruers, Liesbet Goossens, Chiara Forzi	This course is part of the International Master of Affective Neuroscience, a postgraduate programme by the universities of Maastricht and Florence, a combination of residential courses and distance teaching. The programme offers a scientific training in the subspecialty of affective disorders. Taught by leading scientists, the programme deals with the latest developments in the field. It is a complement for professional training in psychiatry, clinical psychology and neuroscience. The course can be taken as a single course in the Summer School on Affective Neuroscience, leading to a certificate, that includes this course and the Summer Course on Mood, Agression & Attraction. More information: <a href="http://affect-neuroscience.org">http://affect-neuroscience.org</a> .	MHeNs: K. Schruers, T. van Amelsvoort, L. Goossens. Other partners, see <a href="https://www.affect-neuroscience.org/">https://www.affect-neuroscience.org/</a>	15	4 ECTS (summer course only)
Oct. 3-5, 2018	EPI-AD/EURON WORKSHOP Neuroepigenetics: a life span perspective	EPI-AD consortium and EURON - University of Barcelona / Daniel van den Hove, Gunter Kenis, Nicole Senden	The students will be introduced into the latest developments in these fields through interactive lectures and workshops based on specific research questions. Learning goals include the role of neuroepigenetics in psychiatric and neurodegenerative disorders, the technological approaches in epigenetic research, and techniques to examine the effect of epigenetic changes. TOPICS: 1) Epigenetic regulation of brain development and aging; 2) Neuroepigenetics of psychiatric and neurodegenerative disorders; 3) Stem-cell based approaches in epigenetics research; 4) Epigenetic editing and 5) Epigenomic technologies & data analyses.	MHeNs: D. van den Hove, G. Kenis, N. Senden, R. Riemens (PhD student). Partners: see <a href="http://www.epi-ad.eu/">http://www.epi-ad.eu/</a>	19	2 ECTS
Sept. 13-14, 2018	20th EURON PhD days: Jont PhD student meeting of the Institute of Neuroscience (UC Louvain) and EURON	UC Louvain/ Maastricht University / Pascal Kienlen-Campard, Aleksandar Jankovski, G.Kenis, P. Bisschoff, M. Moers, N. Senden	The annual EURON PhD days is a network event of all EURON partners. The PhD students get the opportunity to present their research via oral and poster presentations and the EURON scientists will give short oral presentations. The themes of the sessions in 2018: 1) The Developing Brain; 2) (Patho) physiology of the mature Brain; the Aging Brain. Invited Key Note lecture "Biological mechanisms of mental disorders – new insights from genetics and neuroimaging" - David Linden, UM.	MHeNs: G. Kenis, D. Linden, N. Senden. Other EURON partners: UC Louvain: P. Kienlen-Campard, A. Jankovski, F. Tissir. P. leprince (Ulg); M. Rothermel (RWTH Aachen); C. Lefebvre (Lille)	110	0,5 ECTS for attendance + 0.5 ECTS extra when having a poster or oral presentation
Nov. 28, 2018	MHeNs 11th Annual Research Day "Career perspectives in and outside academia"	Maastricht / D. Linden, M. Moers	Annual meeting with keynote speakers from MHeNs; PhD student and post doc presentations in the form of elevator pitches and poster presentations, debates. Interview "Personal career development" with Annemarie Penn-te Strake: Mayor of Maastricht. Special topic lecture: New privacy regulation? Erik Lammers (FHML) AVG/GDPR.	MHeNs: D. Linden, T. van den Crommenacker, M. van Boxtel, N. Leibold, K. Deckers, M. de Vugt, S. Leijdsdorff, D. Paes (PhD student)	190	Poster presentation: 0.5 ECTS plus additional 0.25 credit for elevator pitch presentation