



AL MAGNIFICO RETTORE
DELL'UNIVERSITÀ DEGLI STUDI DI MILANO

Kerstin Camile Creutzberg

CURRICULUM VITAE

INFORMAZIONI PERSONALI

Cognome	Creutzberg
Nome	Kerstin Camile
Data Di Nascita	04/luglio/1995

OCCUPAZIONE ATTUALE

Incarico	Struttura
PhD student - Scienze Farmacologiche Biomolecolari, Sperimentali e Cliniche	Dipartimento di Scienze Farmacologiche e Biomolecolari (DiSFeB) - Università degli Studi di Milano

ISTRUZIONE E FORMAZIONE

Titolo	Corso di studi	Università	anno conseguimento titolo
Laurea	Scienze Biologiche	Pontifical Catholic University of Rio Grande Sul	2018
Laurea Magistrale	Scienze della Salute, percorso: Neuroscienze	Pontifical Catholic University of Rio Grande Sul	2019
Dottorato Di Ricerca	Scienze Farmacologiche Biomolecolari, Sperimentali e Cliniche	Università degli Studi di Milano	Ongoing (To be discussed March 2023)

LINGUE STRANIERE CONOSCIUTE

lingue	livello di conoscenza
Inglese	Avanzato
Portoghese	Avanzato
Italiano	Intermedio

PREMI, RICONOSCIMENTI E BORSE DI STUDIO

anno	Descrizione premio
2021	Vincitrice del IBRO Travel Grant
2021	Vincitrice del FENS grant for the SfN Neuroscience 2021 meeting
2021	Vincitrice del 2021 Trainee Professional Development Award della Society for Neuroscience



2019	Vincitrice di una borsa di studio del progetto dipartimenti di eccellenza per il Dottorato in Scienze Farmacologiche Sperimentali e Cliniche presso il Dipartimento di Scienze Farmacologiche e Biomolecolari, Università degli Studi di Milano
2018	Vincitrice di una borsa di studio di Master degree nella scuola di Medicina e Scienze della Salute presso la Pontifical Catholic University of Rio Grande do Sul - Brasile
2016	Vincitrice di una borsa di studio per assistente ricercatore presso il Developmental Cognitive Neuroscience Lab - Brasile
2015	Vincitrice di una borsa di studio per assistente ricercatore presso il Laboratory of Immunology and Microbiology - Brasile
2013	Vincitrice di una borsa di studio per assistente ricercatore presso il Laboratory of Genomics and Molecular Biology - Brasile

ATTIVITÀ DI FORMAZIONE O DI RICERCA

10/2021 - 01/2022 Periodo di dottorato all'estero presso Aarhus University, Translational Neuropsychiatry Unit, Danimarca

10/2019 - ongoing Dottorato in Scienze Farmacologiche Biomolecolari, Sperimentali e Cliniche presso l'Università degli Studi di Milano

03/2018 - 09/2019 Master's degree in Scienze della Salute, percorso: Neuroscienze presso la Pontifical Catholic University of Rio Grande Sul, Brasile

03/2016 - 02/2018 Assistente ricercatore presso il Developmental Cognitive Neuroscience Lab, Brasile

06/2015 - 02/2016 Assistente ricercatore presso il Laboratory of Immunology and Microbiology, Brasile

07/2013 - 07/2014 Assistente ricercatore presso il Laboratory of Genomics and Molecular Biology, Brasile

Capacità e competenze

- Metodiche di Biologia Molecolare (Estrazione di DNA e RNA da cellule e tessuti, saggi elettroforetici, retro-trascrizioni, PCR, Real-Time PCR, RNAscope, Immunoistochimica)
- Metodiche di Biochimica (Preparazione di frazioni proteiche, saggi di quantificazione proteica, Western Blot, ELISA)
- Manipolazione di animali (topi e ratti), procedure sperimentali quali trattamenti farmacologici e test comportamentali, sacrifici e dissezioni di aree cerebrali e tessuti periferici
- Utilizzo dei principali software statistici e bioinformatici per l'analisi dei dati (Pacchetto Office, GraphPad Prism, IBM SPSS Statistics, RStudio)

- Disegno e stesura di progetti di ricerca in ambito preclinico
- Stesura di report, articoli scientifici e review nell'ambito dell'attività di ricerca
- Competenze organizzative quali coordinamento di persone e progetti
- Partecipazioni a congressi nazionali e internazionali
- Competenze relazionali utili nell'ambito dell'attività di ricerca scientifica in laboratorio in un ambiente internazionale



ATTIVITÀ PROGETTUALE

Anno	Progetto
2019-ongoing	Investigating the functional and molecular consequences of prenatal stress exposure toward the identification of novel therapeutic strategies for the treatment of mental disorders
2018-2019	CAPES: Coordination for the Improvement of Higher Education Personnel Titolo: Effects of corticotropin releasing factor in the bed nucleus of the stria terminalis on anxiety and depressive-like behaviors
2016-2018	CAPES: Coordination for the Improvement of Higher Education Personnel Titolo: Effects of an impoverished environment during early life on risk taking of adolescent mice: neuroepigenetics implications of the dopaminergic and corticotropinergic systems
2016-2017	CNPq: National Council for Scientific and Technological Development Titolo: Impact of stress during early life and adolescence on cognition and behavior of mice

CONGRESSI, CONVEGNI E SEMINARI

Data	Titolo	Sede
2017	XL Annual Meeting of the Brazilian Society for Neuroscience and Behavior	Araraquara - Brasile
2017	17 th World Congress on Brain, Behavior and Emotions	Porto Alegre - Brasile
2018	XLI Annual Meeting of the Brazilian Society for Neuroscience and Behavior	Santos - Brasile
2020	33rd Annual Meeting of the European College of Neuropsychopharmacology (ECNP)	Virtual
2020	Annual Meeting of the American College of Neuropsychopharmacology (ACNP)	Virtual
2021	European College of Neuropsychopharmacology (ECNP) Workshop for Early Career Scientists in Europe	Virtual
2021	34th Annual Meeting of the European College of Neuropsychopharmacology (ECNP)	Lisbona - Portogallo
2021	50th Annual Meeting of the Society for Neuroscience (SfN)	Virtual
2021	2nd Annual Symposium of the Danish Society for Extracellular Vesicles	Vejle - Danimarca
2021	40th Congresso Nazionale della Società Italiana di Farmacologia (SIF)	Virtual
2021	XXII Congresso Nazionale Società Italiana di NeuroPsicoFarmacologia (SINPF)	Virtual
2022	Annual Meeting of the Society of Biological Psychiatry (SOBP)	New Orleans - Stati Uniti

PUBBLICAZIONI



Articoli su riviste
1. Mallien, AS; Becker, L; Pfeiffer, N; Terraneo, F; Hahn, M; Middelman, A; Palme, R; Creutzberg, KC; Begni, V; Riva, MA; Leo, D; Potschka, H; Fumagalli, F; Homberg, JR; Gass, P. Dopamine Transporter Knockout Rats Show Impaired Wellbeing in a Multimodal Severity Assessment Approach. 2022. <i>Frontiers in Behavioral Neuroscience</i> , 16:924603. doi: 10.3389/fnbeh.2022.924603.
2. Begni, V; Pisano, I; Marizzoni, M; Marchisella, F; Creutzberg, KC; De Rosa, F; Cattaneo, A; Gruca, P; Litwa, E; Papp, M; Riva, MA. Exposure to chronic stress impairs the ability to cope with an acute challenge: Modulation by lurasidone treatment. 2022. <i>European Neuropsychopharmacology</i> , 61:78-90. doi: 10.1016/j.euroneuro.2022.06.005.
3. Lumertz, FS; Kesting-Ferreira, E; Orso, R; Creutzberg, KC; Tractenberg, SG; Stocchero, BA; Viola, TW; Grassi-Oliveira, R. Effects of early life stress on brain cytokines: A systematic review and meta-analysis of rodent studies. 2022. <i>Neuroscience and Biobehavioral Reviews</i> , 139:104746. doi: 10.1016/j.neubiorev.2022.104746.
4. Jaehne, EJ; Kent, JN; Antolasic, EJ; Wright, BJ; Spiers, JG; Creutzberg, KC; De Rosa, F; Riva, MA; Sortwell, CE; Collier, TJ; van den Buuse, M. Behavioral phenotyping of a rat model of the BDNF Val66Met polymorphism reveals selective impairment of fear memory. 2022. <i>Translational Psychiatry</i> , 7;12(1):93. doi: 10.1038/s41398-022-01858-5.
5. Kesting-Ferreira, É; Tractenberg, SG; Lumertz, FS; Orso, R; Creutzberg, KC; Wearick-Silva, LE; Viola, TW; Grassi-Oliveira, R. Long-term effects of maternal separation on anxiety-like behavior and neuroendocrine parameters in adult Balb/c mice. 2021. <i>Chronic Stress</i> , 21;5. doi: 10.1177/24705470211067181.
6. Creutzberg, KC; Sanson, A; Viola, TW; Marchisella, F; Begni, V; Grassi-Oliveira, R; Riva, MA. Long-lasting effects of prenatal stress on HPA axis and inflammation: A systematic review and multilevel meta-analysis in rodent studies. 2021. <i>Neuroscience and Biobehavioral Reviews</i> , 2;127:270-283. doi: 10.1016/j.neubiorev.2021.04.032.
7. Marchisella, F; Creutzberg, KC; Begni, V; Sanson, A; Wearick-Silva, LE; Tractenberg, SG; Orso, R; Kesting-Ferreira, É; Grassi-Oliveira, R; Riva, MA. Exposure to Prenatal Stress Is Associated with an Excitatory/Inhibitory Imbalance in Rat Prefrontal Cortex and Amygdala and an Increased Risk for Emotional Dysregulation. 2021. <i>Frontiers in Cell and Developmental Biology</i> , 1;9:653384. doi: 10.3389/fcell.2021.653384.
8. Krey, FC; Stocchero, BA; Creutzberg, KC; Heberle, BA; Tractenberg, SG; Xiang, L; Wei, W; Kluwe-Schiavon, B; Viola, TW. Neurotrophic Factor Levels in Preterm Infants: A Systematic Review and Meta-Analysis. 2021. <i>Frontiers in Neurology</i> , 1;12:643576. doi: 10.3389/fneur.2021.643576.
9. Orso, R; Creutzberg, KC; Lumertz, FS; Wearick-Silva, LE; Sanches, EF; Mestriner, RG; Wegener, G; Grassi-Oliveira, R. Early environmental enrichment rescues memory impairments provoked by mild neonatal hypoxia-ischemia in adolescent mice. 2021. <i>Behavioural Brain Research</i> , 11;407:113237. doi: 10.1016/j.bbr.2021.113237.
10. Creutzberg, KC; Kesting-Ferreira, É; Viola, TW; Wearick-Silva, LE; Orso, R; Heberle, BA; Albrechet-Souza, L; de Almeida, RMM; Grassi-Oliveira, R. Corticotropin-releasing factor infusion in the bed nucleus of the stria terminalis of lactating mice alters maternal care and induces behavioural phenotypes in offspring. 2020. <i>Scientific Reports</i> , 17;10(1):19985. doi: 10.1038/s41598-020-77118-7.
11. Orso, R; Creutzberg, KC; Kesting-Ferreira, É; Wearick-Silva, LE; Tractenberg, SG; Grassi-Oliveira, R. Maternal Separation Combined with Limited Bedding Increases Anxiety-Like Behavior and Alters Hypothalamic-Pituitary-Adrenal Axis Function of Male BALB/cJ Mice. 2020. <i>Frontiers in Behavioral Neuroscience</i> , 12;14:600766. doi: 10.3389/fnbeh.2020.600766.
12. Tractenberg, SG; Orso, R; Creutzberg, KC; Malcon, LM; Lumertz, FS; Wearick-Silva, LE; Viola, TW; Riva, MA; Grassi-Oliveira, R. Vulnerable and Resilient Cognitive Performance Related to Early Life Stress: The Potential Mediating Role of Dopaminergic Receptors in the Medial Prefrontal Cortex of Adult Mice. 2020. <i>International Journal of Developmental Neuroscience</i> , 80(1):13-27. doi: 10.1002/jdn.10004.



13. Viola, TW; Creutzberg, KC; Zaparte, A; Kesting-Ferreira, É; Tractenberg, SG; Centeno-Silva, A; Orso, R; Lumertz, FS; Brietzke, E; Wearick-Silva, LE; Riva, MA; Grassi-Oliveira, R. Acute neuroinflammation elicited by TLR-3 systemic activation combined with early life stress induces working memory impairments in male adolescent mice. 2019. Behavioural Brain Research, 30;376:112221. doi: 10.1016/j.bbr.2019.112221.
14. Viola, TW; Wearick-Silva, LE; Creutzberg, KC; Kesting-Ferreira, É; Orso, R; Centeno-Silva, A; Albrechet-Souza, L; Marshall, PR; Li, X; Bredy, TW; Riva, MA; Grassi-Oliveira, R. Postnatal impoverished housing impairs adolescent risk-assessment and increases risk-taking: A sex-specific effect associated with histone epigenetic regulation of Crfr1 in the medial prefrontal cortex. 2019. Psychoneuroendocrinology, 99:8-19. doi: 10.1016/j.psyneuen.2018.08.032.
15. Wearick-Silva LE; Orso, R; Martins, LA; Creutzberg, KC; Centeno-Silva, A; Xavier, LL; Grassi-Oliveira, R; Mestriner, RG. Dual influences of early life stress induced by limited bedding on walking adaptability and Bdnf/TrkB and Drd1/Drd2 gene expression in different mouse brain regions. 2019. Behavioural Brain Research, 1;359:66-72. doi: 10.1016/j.bbr.2018.10.025.
16. Orso, R; Creutzberg, KC; Wearick-Silva, LE; Viola, TW; Tractenberg, SG; Benetti, F; Grassi-Oliveira, R. How Early Life Stress Impact Maternal Care: A Systematic Review of Rodent Studies. 2019. Frontiers in Behavioral Neuroscience, 28;13:197. doi: 10.3389/fnbeh.2019.00197.
17. Orso, R; Wearick-Silva, LE; Creutzberg, KC; Centeno-Silva, A; Roithmann, LG; Pazzin, R; Tractenberg, SG; Benetti, F; Grassi-Oliveira, R. Maternal behavior of the mouse dam toward pups: implications for maternal separation model of early life stress. 2018. Stress - the International Journal on the Biology of Stress, 21(1):19-27. doi: 10.1080/10253890.2017.1389883.
18. Orso, R; Creutzberg, KC; Centeno-Silva, A; Carapeços, MS; Levandowski, ML; Wearick-Silva, LE; Viola, TW; Grassi-Oliveira, R. NFκB1 and NFκB2 gene expression in the prefrontal cortex and hippocampus of early life stressed mice exposed to cocaine-induced conditioned place preference during adolescence. 2017. Neuroscience Letters, 29;658:27-31. doi: 10.1016/j.neulet.2017.08.032.

Atti di convegni
Riva MA, Pisano I, Begni V, Marchisella F, Creutzberg KC, De Rosa F, Papp M, Cattaneo A Impaired Coping in Rats Exposed to Chronic Mild Stress: Modulatory Effect of Chronic Lurasidone Treatment NEUROPSYCHOPHARMACOLOGY Volume46 IssueSUPPL 1 Page245-245 Supplement1 Meeting AbstractP320
Musillo C, Berry A, Collacchi B, Pieroni E, Lepre M, Creutzberg K, Begni V, Riva MA, Cirulli F. N-acetylcysteine administration during foetal life improves social behaviour and restores hippocampal bdnf levels in adolescent mice prenatally exposed to a high-fat diet. EUROPEAN PSYCHIATRY Volume64 PageS457-S457 Supplement1 Special IssueSI Meeting AbstractEPP0964
Begni V, Creutzberg KC, Marchisella F, Pisano I, Papp M, Riva MA. Time course of antidepressant actions of lurasidone treatment towards the identification of early biomarkers of response. EUROPEAN NEUROPSYCHOPHARMACOLOGY Volume44 PageS31-S32 Supplement1 Meeting AbstractP.223
Marchisella F, Creutzberg K, Begni V, Sanson A, Wearick-Silva LE, Tractenberg S, Viola TW, Grassi-Oliveira R, Riva MA. Amygdala and prefrontal cortex excitatory/inhibitory balance in a rat model of prenatal stress exposure. EUROPEAN NEUROPSYCHOPHARMACOLOGY Volume40 PageS342-S343 Supplement1 Meeting AbstractP.600
Musillo C, Berry A, Collacchi B, Lepre M, Creutzberg KC, Begni V, Riva M, Cirulli F. Prenatal N-acetylcysteine administration alleviates the long-term effects of maternal obesity of adolescent male and female mouse offspring. EUROPEAN NEUROPSYCHOPHARMACOLOGY Volume40 PageS357-S358 Supplement1 Meeting AbstractP.635
Creutzberg KC, Marchisella F, Begni V, Sanson A, Wearick-Silva LE, Tractenberg SG, Orso R, Kesting-Ferreira E, Grassi-Oliveira R, Riva MA. Prenatal stress induces sex-specific behavioural and excitatory/inhibitory balance alterations in adult rats. EUROPEAN NEUROPSYCHOPHARMACOLOGY Volume44 PageS15-S15 Supplement1 Meeting AbstractP.120
Tractenberg SG, Viola TW, Orso R, Creutzberg KC, Begni V, Riva MA, Grassi-Oliveira R. Differential effects



of early life stress during sensitive periods of development on anxiety-like behavior and gene expression response in adult mice. BIOLOGICAL PSYCHIATRY Volume91 PageS142-S142 Supplement1 Meeting AbstractP.137

Grassi-Oliveira R, Orso R, Creutzberg KC, Heberle BA, Viola TW. Transcriptomic analysis of mpfc shows that early life stress reduced stress and immune-related genes expression in male adolescent mice. EUROPEAN NEUROPSYCHOPHARMACOLOGY Volume53 PageS209-S209 Supplement1 Meeting AbstractP.0290

Orso R, Creutzberg KC, Heberle BA, Wearick-Silva LE, Viola TW, Grassi-Oliveira R. Limited bedding combined with maternal separation during early life induces abnormal brain metabolism, memory impairments and mpfc transcriptomic signature. NEUROPSYCHOPHARMACOLOGY Volume46 PageS140-S140 Supplement1 Meeting Abstract

Creutzberg KC, Marchisella F, Begni V, Wearick-Silva LE, Orso R, Lumertz FS, Tractenberg SG, Grassi-Oliveira R, Riva MA. Exposure to prenatal stress induces sex-specific vulnerability in adolescent rats. EUROPEAN NEUROPSYCHOPHARMACOLOGY Volume53 PageS143-S144 Supplement1 Meeting AbstractP.0198

Le dichiarazioni rese nel presente curriculum sono da ritenersi rilasciate ai sensi degli artt. 46 e 47 del DPR n. 445/2000.

Il presente curriculum, non contiene dati sensibili e dati giudiziari di cui all'art. 4, comma 1, lettere d) ed e) del D.Lgs. 30.6.2003 n. 196.

Luogo e data: Milano, 29/12/2022

FIRMA *Kerstin Cornile Creutzberg*