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Positions

2021 – present Research associate at the School of Pharmacy, Center for Neuroscience, University of Camerino, Camerino, Italy
2015 – 2021 Post-doc at the Department of Biomedical and Clinical Sciences, Center for Social and Affective Neuroscience, Linköping University, Linköping, Sweden.

Educational Background

2012 – 2015 **PhD in Chemical and Pharmaceutical Sciences and Biotechnology: Pharmaceutical Sciences** at the International School of Advanced Studies of the University of Camerino, Camerino, Italy
Supervisor: Prof. Roberto Ciccocioppo

Selected Honors

2022- Awarded with the prize, the Jörgen Engel Stipendium from the Swedish Society of Addiction Medicine for an outstanding article in addiction science.
2019-Young Investigator Award from the European Society for Biomedical Research on Alcoholism (ESBRA), Lille, France
2018-Young Investigator Award from the International Society for Biomedical Research on Alcoholism (ISBRA), Kyoto, Japan
2018- Junior Investigator Award from the Research Society of Alcohol (RSA) and by the National Institute on Alcohol Abuse and Alcoholism (NIAAA).

Institutional Responsibilities: 2022- present Board member of the European Society for Biomedical Research on Alcoholism (ESBRA), Early-Career Investigators committee.

Fundings

- 2019-2022: Vetenskapsrådet from the Swedish Research Council: Targeting compulsivity to treat alcohol addiction: A translational strategy.
- 2018-2021: LIONs postdoc grant, Linköping, Sweden: Identifying the brain networks and molecular mechanisms that drive compulsive-like behavior in Alcohol Use Disorders.
- 2018: Center for Systems Neurobiology, Linköping University: The role of orbitofrontal cortex-amygdala circuitry in compulsive alcohol intake.
- 2015: Research grant from the Italian Society of Pharmacology (SIF) and Merck Sharp Dohme Corporation: "Exploring new mechanisms responsible for the progression to alcohol addiction: Searching for novel medications"

Recent publications

- 1) **Domi E**, Xu Li, Toivainen S, Wiskerke J, Coppola A, Holm L, Augier E, Petrella M, Heilig M. (2023) Activation of GABAB receptors in central amygdala attenuates activity of PKC δ + neurons and suppresses punishment-resistant alcohol self-administration in rats. **Neuropsychopharmacology**, DOI: 10.1038/s41386-023-01543-1.
- 2) **Domi E**, Xu L, Toivainen S, Nordeman A, Gobbo F, Venniro M, Shaham Y, Messing RO, Visser E, van den Oever MC, Holm L, Barbier E, Augier E, Heilig M. (2021) A neural substrate of compulsive alcohol use. **Science Advances**, DOI: 10.1126/sciadv.abg904A.
- 3) **Domi E**, Domi A, Ademark L, Heilig M, Augier E. (2021). Neurobiology of alcohol seeking behavior. **J Neurochem**. DOI: 10.1111/jnc.15343.

- 4) Augier E, Barbier E, Dulman RS, Licheri V, Augier G, **Domi E**, Barchiesi R, Farris S, Nätt D, Mayfield RD, Adermark L, Heilig M. A molecular mechanism for choosing alcohol over an alternative reward. (2018) **Science**, DOI:10.1126/science.aao1157.
- 5) **Domi E**, Barbier E, Augier E, Augier G, Gehlert D, Barchiesi R, Thorsell A, Holm L, Heilig M. Preclinical evaluation of the kappa-opioid receptor antagonist CERC-501 as a candidate therapeutic for alcohol use disorders. (2018), **Neuropsychopharmacology**, DOI: 10.1038/s41386-018-0015-y.