

## **I. Academic Profile**

During my intern ship from 2008 to 2014 and during the first years (2014-2020) working as a senior physician, I was member of the research group “Neuroenhancement” formerly headed by Prof. Falk Kiefer. During this time-period, my main research focus lied on the effects of appetite and volume regulating peptides in the pathophysiology of addiction disorders. I took part and organized numerous funded and non-funded clinical observational and interventional studies, investigating the relationship between craving in early abstinence in alcohol dependent patients and appetite- and volume regulating peptides as well as on this relationship in tobacco addicted patients, noteworthy projects of the SFB 636 (Lernen, Gedächtnis und Plastizität des Gehirns: Implikationen für die Psychopathologie), the NGF program and the DFG focus program “Nikotin: Molekulare und Physiologische Mechanismen im Zentralen Nervensystem”. These research activities mainly focused on the participation in clinical studies and result in my Venia legendi (Habilitation) in Psychiatry and Psychotherapy at the Ruprecht-Karls University Heidelberg in 2019.entitled “The effects of appetited regulating on craving and replace risk in substance use disorders”. For this work, in 2021 I got the Wilhelm Feuerlein Reward of the German Addiction Foundation (Deutsche Suchtstiftung) and the Oberberg Foundation.

Additionally, between 2014 and 2021 I worked in the executive board of the young researcher group of the DG Sucht (DG Sucht Nachwuchsgruppe). In this function, I organized three research meeting for physicians and psychologists in the addiction field at the ZI in Mannheim.

Since 2020, I am the head of the novel research group “Therapy and Care Research for Addiction Disorders”. The focus of my research group lies on planning and providing clinical studies in the addiction field in cooperation with the Psychiatric Center North Baden (PZN) in Wiesloch. In the past two years, we addressed the following three main emphases in our projects:

1. Effects of the Covid 19 pandemic on patients with substance use disorders
2. Parents suffering from a substance use disorder and the effects of substance use disorders on children and parenting
3. Strategies for an acute modification of ghrelin plasma levels to reduce craving in alcohol dependent patients

My philosophy on healthcare and clinical research is, that research projects should be feasible in university-clinic settings as well as in non-university settings to provide results, which can be used in regular patient care.

## **II. Key output of the years 2020-now**

In 2020, our research group carried out an anonymous online survey to investigate the changes in consumption behavior of alcohol, tobacco, online media, and gambling as well as changes in sport, shopping and eating behavior during the Covid 19 pandemic in the general population in Germany. This project results in the following scientific papers:

1. COVID-19 Lockdown Restrictions and Online Media Consumption in Germany. Lemenager T, Neissner M, Koopmann A, Reinhard I, Georgiadou E, Müller A, Kiefer F, Hillemacher T. Int J Environ Res Public Health. 2020 Dec 22;18(1):14. doi: 10.3390/ijerph18010014.

2. Did the General Population in Germany Drink More Alcohol during the COVID-19 Pandemic Lockdown? Koopmann A, Georgiadou E, Kiefer F, Hillemacher T. *Alcohol Alcohol*. 2020 Oct 20;55(6):698-699. doi: 10.1093/alcalc/agaa058.
3. Who Was Shopping More During the Spring Lockdown 2020 in Germany? Georgiadou E, Koopmann A, Müller A, Leménager T, Hillemacher T, Kiefer F. *Front Psychiatry*. 2021 Mar 30;12:650989. doi: 10.3389/fpsyt.2021.650989. eCollection 2021.
4. The Effects of the Lockdown during the COVID-19 Pandemic on Alcohol and Tobacco Consumption Behavior in Germany. Koopmann A, Georgiadou E, Reinhard I, Müller A, Lemenager T, Kiefer F, Hillemacher T. *Eur Addict Res*. 2021;27(4):242-256. doi: 10.1159/000515438. Epub 2021 Apr 26.

Additionally, this project was also cited by the dpa (German Press Agency) resulting in numerous citations in print and online media for the general population as well as interviews in radio and television.

In the research field “Parents suffering from a substance use disorder”, my research group initiated the following two scientific projects funded by the Dietmar Hopp Foundation (DHS) and the German Ministry of Health (BMG):

1. STAERKE - Suchttherapeutisches Akutprogramm für Eltern zur ressourcenorientierten Kompetenzstärkung in der Erziehung (Grant sum: 147.700 Euro; duration 36 month 01/2021-12/2023)
2. Stark im Sturm – Hilfen für Kinder psychisch und suchterkrankter Eltern (Grant sum: 274.280 Euro; duration 24 month 05/2021-05/2023)

The second projects is actually realized in cooperation with the Department of Child and Adolescent Psychiatry and Psychotherapy (Dr. Yvonne Grimmer, senior physician) and the Department of Public Mental Health (Head: Prof Ulrich Reininghaus) at the Central institute of Mental Health.

The design and conception of both projects were already presented at national conferences in this research field (e.g.: Deutscher Suchtkongress 2021, Interdisziplinärer Suchtkongress 2022, Feuerlein Symposium 2021, DGJP 2022). Additionally, we also performed numerous specific information sessions for the general population and staff of the youth welfare office on the design and aims of these projects.

In the research field “Strategies for an acute modification of ghrelin plasma levels to reduce craving in alcohol dependent patients” we started the clinical research project entitled “The effect of a forced glucose intake on alcohol craving and mesolimbic cue reactivity in alcohol dependent patients” founded by the German Research Foundation (DFG) (Grant sum: 350.000 Euro; duration: 36 month 05/2020-04/2023). This project is recruiting alcohol dependent patients from the inpatient units of Central institute of Mental Health and the Psychiatric Centre Nordbaden (PZN) in Wiesloch using the cooperation structures of the “Feuerlein Center für translationale Suchtmedizin” (Feuerlein CTS).