Speaker 4: Joseph Zohar, Israel
Title: The importance of the neuroscience-based nomenclature

Abstract
Current psychopharmacological nomenclature remains wedded to earlier period of scientific understanding, failing to reflect contemporary developments and knowledge, does not help clinicians to select the best medication for a given patient, and tending to confuse patients as they are being given a drug with a different name compared to their identified diagnosis (e.g. "Antipsychotic" for depression).

Four major colleges of Neuropsychopharmacology (ECNP, ACNP, Asian CNP, and CINP together with IUPHAR) proposed a new pharmacologically-driven nomenclature focusing on Pharmacological Domain and Mode of Action. It includes also 4 dimensions of additional information: 1—Approved Indications; 2—Efficacy and side effects; 3 — Practical note; and 4—Neurobiology. Several surveys in four different continents were conducted in order to examine satisfaction with the current psychopharmacological nomenclature, as well as test the NbN. A significant proportion of the participants in the surveys were in favor of the proposed nomenclature.

It seems that clinicians found the available nomenclature system dissatisfactory and many times confusing for them and the patients. The proposed nomenclature seeks to up-end current usage by placing Pharmacology and Mode of Action rather than indication as the primary driven force.

In the session live demonstration of using NbN in key medications and also examples of the capabilities of its search engine will be presented.

References
Zohar J, Nutt DJ, Kupfer DJ, Moller HJ, Yamawaki S, Spedding M, Stahl SM. 2014. A proposal for an updated neuropsychopharmacological nomenclature. Eur Neuropsychopharmacol. Jul;24(7):1005–14. doi: 10.1016/j.euroneuro.2013.08.004. Epub 2013 Sep 18.
Zohar J, Stahl S, Moller HJ, Blier P, Kupfer D, Yamawaki S, Uchida H, Spedding M, Goodwin GM, Nutt D. A review of the current nomenclature for psychotropic agents and an introduction to the Neuroscience-based Nomenclature, European Neuropsychopharmacology, Volume 25, Issue 12, December 2015, Pages 2318–2325.

S4: Compulsive and Impulsive Disorders: A Translational Perspective

Chair: Dan Stein, South Africa
Co-Chair: Ho-Suk Suh, Republic of Korea

Speaker 1: Dan Stein, South Africa
Title: Nosology of compulsive and impulsive disorders

Abstract
The classification of compulsive and impulsive disorders remains in some flux, perhaps reflecting uncertainty in our understanding of the psychobiology and treatment of these conditions. This talk will review characteristic symptoms and traits of the range of compulsive and impulsive conditions, and address some of the relevant nosological issues. While a broad range of mental disorders are characterized by signs and symptoms of impulsivity, DSM-IV included a specific chapter on impulse control disorders not otherwise specified, while ICD-10 had a similar chapter on habit and impulse disorders. The revised DSM-5 has a new, rather broader, category of disruptive, impulse-control, and conduct disorders, as well as a new chapter on obsessive-compulsive and related disorders. In contrast, the proposal for ICD-11 is to retain a section on impulse control disorders, but to add compulsive sexual disorder and to move trichotillomania into a new section on obsessive-compulsive and related disorders. The Research Domain Criteria (RDoC) framework may also contribute to the assessment and evaluation of patients with compulsive and impulsive conditions. Future advances in the neurobiology and treatment of compulsive and impulsive disorders may well influence future editions of the nosology and improve its diagnostic validity. In the interim, the constructs of compulsivity and impulsivity already have considerable clinical utility, and deserve wider clinical dissemination.

References
Dalley JW, Everitt BJ, Robbins TW (2011) Impulsivity compulsivity and top-down control. Neuron 69, 680–694.
Robbins, T.W., Gillan, C.M., Smith, D.G., de Wit, S. & Ersche, K.D. (2012) Neurocognitive endophenotypes of impulsivity and compulsivity: towards dimensional psychiatry. Trends in Cognitive Sciences, 16, 81–91.