

Ensuring the dissemination & exchange of DBS knowledge

Promoting the development of research in all fields of DBS



# 1<sup>st</sup> Congress of the Deep Brain Stimulation Society & celebrating the 30<sup>th</sup> anniversary of STN DBS

## Grenoble 22-23 June 2023

### World Trade Center



Abstract submission: March 17th, 2023

Early bird registration: April 14th, 2023

<http://www.dbssociety.org>

**Information:**

[dbssociety.org@gmail.com](mailto:dbssociety.org@gmail.com)

[dbss2023@insight-outside.fr](mailto:dbss2023@insight-outside.fr)

#### **Organizing Committee**

**Prof. Elena Moro (Grenoble)**

**Prof. Abdelhamid Benazzouz (Bordeaux)**

**Prof. Yasin Temel (Maastricht)**

**Prof. Stephan Chabardes (Grenoble)**

**Dr. Lee Wei Lim (Hong Kong)**

#### **Council of DBS Society**

**President:** Abdelhamid Benazzouz (France)

**Vice-president:** Yasin Temel (The Netherlands)

**Treasurer:** Elena Moro (France)

**Secretary:** LeeWei Lim (Hong Kong)

**Member:** Paulo Henrique de Aguiar (Brazil)

**Member:** Ersoy Kocabicak (Turkey)

**Member:** Metin Sitti (Germany)

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Deep Brain Stimulation Society

IMN – Université de Bordeaux, 146, Rue Leo-Saignat, 33076 Bordeaux Cedex – France

e-mail: [dbssociety.org@gmail.com](mailto:dbssociety.org@gmail.com)

## Scientific Program

### Day 1: 22 June 2023 (Thursday)

**08:00 - 08:30** Registration

**08:30 - 08:45** Welcome and Introduction

*Abdelhamid Benazzouz (President of the DBS Society)*

*Stéphan Chabardès & Elena Moro (Chairs of the Local Organizing Committee)*

#### Session 1: Rethinking the beginning of DBS

**Chairs:** *Hagai Bergman (Israel) & Valérie Fraix (France)*

08:45 - 09:10 The non-human primate: a critical piece of the STN DBS puzzle  
*Abdelhamid Benazzouz (France)*

09:10 - 09:35 From ventriculography to MRI-based targeting  
*Stephan Chabardès (France)*

09:35 - 10:00 A new hope for the therapy of Parkinson's disease  
*Patricia Limousin (UK)*

10:00 - 10:25 Finding optimal DBS targets in Tourette's syndrome  
*Veerle Visser-Vandewalle (Germany)*

10:25 - 10:40 Discussion

**10:40 - 11:00** Coffee break

#### Session 2: Tuning DBS from animal models

**Chairs:** *Brigitte Piallat (France) & Yasin Temel (The Netherlands)*

11:00 - 11:25 DBS in rodents  
*Yasin Temel (The Netherlands)*

11:25 - 11:50 DBS in animal models of addiction  
*Christelle Baunez (France)*

11:50 - 12:15 DBS in animal models of depression  
*Clement Hamani (Canada)*

12:15 - 12:30 Discussion

**12:30 – 14:00** Lunch & Poster Session I: *Paulo Henrique Aguiar (Brazil), Okan Dogu (Turkey), Stéphan Thobois (France)*

#### Session 3: Focus on DBS in neurological disorders

**Chairs:** *Günther Deuschl (Germany) & Paulo Roberto Franceschini (Brazil)*

14:00 - 14:25 DBS in Parkinson's disease  
*Elena Moro (France)*

14:25 – 14:50 DBS in Dystonia  
*Andrea Kuhn (Germany)*

14:50 - 15:15 DBS in Tremor  
*Rubens Cury (Brazil)*

15:15 - 15:40 DBS in Epilepsy  
*Kai Lehtimäki (Finland)*

15:40 – 16:00 Discussion

**16:00 - 16:30 Coffee Break & Poster Session I: Paulo Henrique Aguiar (Brazil), Okan Dogu (Turkey), Stéphane Thobois (France)**

**Session 4: Focus on DBS in psychiatry**

**Chairs: Paul Krack (Switzerland) & Adriana Lopez Rios (Columbia)**

- 16:30 – 16:55 DBS in Alzheimer’s disease  
*Andres Lozano (Canada)*
- 16:55 – 17:20 DBS in obsessive-compulsive disorder  
*Mircea Polosan (France)*
- 17:20 – 17:45 DBS in depression  
*Volker Coenen (Germany)*
- 17:45 - 18:00 Discussion

**18:00 – 19:00 DBS Society General Assembly**

**19:00 - 22:00 Opening Ceremony**

**Day 2: 23 June 2023 (Friday)**

**Session 5: Revamping imaging and neurophysiology in DBS**

**Chairs: Birte Forstmann (The Netherlands) & Vladimira Vuletic (Croatia)**

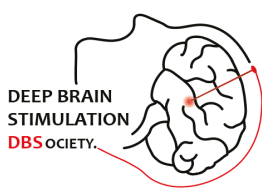
- 09:00 - 09:25 Connectomics and DBS  
*Andreas Horn (USA)*
- 09:25 - 09:50 TMS and DBS  
*Siebner Hartwig (Denmark)*
- 09:50 - 10:15 PET Imaging and DBS  
*Nicola Pavese (UK)*
- 10:15 - 10:40 Using neuroimaging and neurophysiology for programming  
*Maria Fiorella Contarino (The Netherlands)*
- 10:40 – 11:00 Discussion

**11:00 – 11:20 Coffee Break**

**Session 6: “Open-space” DBS**

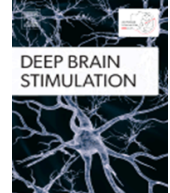
**Chairs: Alfonso Fasano (Canada) & Joohi Jimenez-Shahed (USA)**

- 11:20 – 11:45 DBS in Pain and Headache  
*Denys Fontaine (France)*
- 11:45 – 12:10 DBS in behavioral disorders  
*Cristina V. Torres (Spain)*
- 12:10 – 12:30 Adaptive DBS  
*Alberto Priori (Italy)*
- 12:30 – 12:45 Discussion



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**12:45 – 14:00 Lunch & Poster Session II: Darco Chudy (Croatia), Ersoy Kocabicak (Turkey), Lee Wei Lim (Hong Kong)**

**Session 7: Computation and technology: Expanding DBS horizons**

**Chairs: Alfons Schnitzler (Germany) & Philip Starr (USA)**

- 14:00 - 14:25 Emerging technology for DBS  
*Sara Marceglia (Italy)*
- 14:25 - 14:50 Computational models in DBS  
*Cameron McIntyre (USA)*
- 14:50 - 15:15 Nanotechnology for DBS  
*Ali Jahanshahi (The Netherlands)*
- 15:15 – 15:30 Discussion

**Session 8: Controversies in DBS**

**Chairs: Angelo Antonini (Italy) & Paresh Doshi (India)**

15:30 – 15:55 DBS with or without GA/microrecording  
With: *Joachim Krauss (Germany)*  
Without: *Ludvic Zrinzo (UK)*

15:55 – 16:20 Is DBS neuroprotective?  
Yes: *Ozgur Onur (Germany)*  
No: *Michael Okun (USA)*

16:20 – 16:45 Will DBS be the leading surgical treatment in the next decade?  
Yes: *Jens Volkmann (Germany)*  
No: *Jean Regis (France)*

**16:45 – 17:00 Closing remarks**