

Science and Research Committee

2023 Annual Report

1. Current Committee Members

Hans-Christoph Diener (Co-Chair)
Shuu-Jiun Wang (Co-Chair)
Werner Becker
Rami Burstein
Andrew Charles
Jan Hoffmann
Tobias Kurth
Arne May
Frank Porreca
Patricia Pozo Rosich
Anan Srikiatkachorn
Gisela M Terwindt
Arn van den Maagdenberg

2. One fellowship was awarded in 2023 (five applications received) – the fellowship will start in December 2023

- Tayla Rees, New Zealand: Investigating the role of the AMY₁ receptor activation and sex hormones in CGRP release and expression in the trigeminovascular system
- Institution: King's College London, UK – mentor: Jan Hoffmann

3. The 2022 fellow continues her

- Sarah Louise Tangsgaard Christensen, Denmark: Migraine signalling events in the meninges. Institution: Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA, USA – mentor: Dan Levy

4. The 2020 and 2021 fellows have completed their research

- Erika Ivanna Araya, Argentina. Research title: Functional validation of microRNAs in migraine-related behaviour in rodent models of chronic migraine. Institution: Vall d'Hebron Institute of Research, Spain - mentor: Patricia Pozo Rosich
- Vimala Bharadwaj, India-USA. Research title: Translational studies toward understanding the involvement of hypothalamic kappa opioid receptors (KOR) in stress-induced migraine. Institution: Stanford University, USA - mentor: David Yeomans
- Cédric Gollion, France. Research title: REFORM (Registry for migraine-structural and functional magnetic resonance imaging before and after erenumab treatment. Institution: Danish Headache Center, Denmark - mentor: Faisal Amin

- Christina Deligianni, Greece. Research title: Opening of ATP-sensitive potassium channels induce cluster headache attacks: a randomized clinical trial. Institution: Danish Headache Center – mentor: Messoud Ashina (research completed)
- Alejandro Labastida Ramirez, Mexico: Research title: Crosstalk between sex hormones and amylin signalling in the trigeminovascular system. Institution: King's College London, UK – mentor: Jan Hoffmann

5. Headache Science Awards

IHS offered two Headache Science Awards in 2022 and 2023 to recognise promising early- and mid-career basic, clinical or translational scientists whose research has contributed to the headache field.

Early-career scientists are within 5 years of their first doctoral research degree and mid-career scientists within 15 years.

The winners will give a short presentation at the 21st International Headache Congress, September 2023.

- Early career award 2022: Nazia Karzan, UK
- Early career award 2023: Francesco de Logu, Italy
- Mid career award 2022: Faisl Amin, Denmark
- Mid career award 2023: Mi Ji Lee, Korea

6. IHS GRADE tables

IHS has reviewed the scientific evidence for acute and preventive treatments with monoclonal antibodies. The results have been compiled into GRADE tables and accepted for publication in Cephalalgia.

The tables will also be published on the IHS website from where IHS Affiliate societies can use the information to create their own guidelines. The tables will be updated annually.

Work will now begin on triptans, devices, and older therapies.

The work is time-consuming – all databases need to be screened to identify all published papers and a formal process is required for each of the working group members to follow.

7. Future activities

- GRADE table development for triptans, devices and older therapies
- Input into IHC 2025 scientific programme
- 2024 Fellowship application evaluations

8. Committee Chairs

In September 2023 Hans-Christoph Diener will retire as Co-Chair of the Committee. Messoud Ashina will join to Co-Chair with Shuu-Jiun Wang.

Hans-Christoph Diener and Shuu-Jiun Wang
Committee Co-Chairs
August 2023