

# OLIVIA F. DE SOUZA MONTEIRO

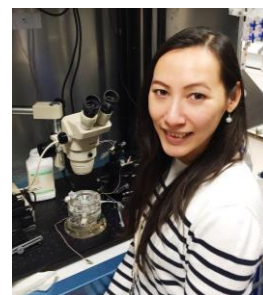
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Faculty of Medicine

Macau University of Science and Technology

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## ACADEMIC POSITIONS

**2020 – present:** Assistant Professor, Macau University of Science and Technology.

**2016 – 2019:** Postdoctoral Research Scientist, School of Medicine, University of Dundee.

Division of Systems Medicine; School of Medicine, University of Dundee.

Research:  $\alpha 5$ -GABA<sub>A</sub> Receptor Modulators for the Treatment of Cognitive Impairment Associated with Huntington's Disease; funded by the Wellcome Trust.

**2012 – 2016:** Postdoctoral Research Scientist, School of Medicine, University of Dundee.

Division of Neuroscience, School of Medicine, University of Dundee.

Research: A Novel Therapeutic Target for Huntington's Disease;

funded by GlaxoSmithKline.

**2009 – 2011:** Postdoctoral Research Scientist, School of Life Science, University of Dundee.

Division of Cell and Developmental Biology; School of Life Sciences; University of Dundee.

Research: FGF signalling in the mesoderm of *Drosophila melanogaster*.

## EDUCATION

**2010:** PhD, University of Edinburgh; Mechanisms of Dendritic Peptide Release.

BBSRC funded studentship

**2004:** BSc. Hons, University of Aberdeen; Biomedical Sciences (Pharmacology)

## TEACHING

**Macau University of Science and Technology (2020 – present)**

*Teaching responsibilities*

Undergraduate (MBBS programme)

- Basic and Clinical Pharmacology
- Medical Physiology
- MBBS Year 1 co-ordinator
- MBBS Pharmacology co-ordinator
- Module co-ordinator for Year 1 Foundation Block
- Module co-ordinator for Year 2 Endocrine System block
- Module co-ordinator for Year 1 to Year 5 Language and Communications
- Team-based learning and practical classes

## **Macau University of Science and Technology (continued)**

Postgraduate (Master of Nursing)

- Pharmacology and Therapeutics

## **University of Dundee, UK (2012 – 2019)**

*Lecture series*

- BSc Hons Biomedical Sciences and Medicine (Neuropharmacology & Behaviour)

*Research*

- Drug discovery in cognitive enhancement and neurodegenerative disease models
- PhD and BSc student supervision

## **By invitation**

*University of Saint Joseph, Macau (2017)*

- *Public lecture:* Blocking Inhibitory Neurons in the Memory Centre of the Brain: Cognitive Enhancing Effects of GABA<sub>A</sub> Receptor Modulators

*Marine Biological Laboratory at Woods Hole USA (2014)*

- Teaching assistant at the internationally renowned Marine Biological Laboratory at Woods Hole USA on the Neural Systems and Behaviour Summer Course.

## **PROFESSIONAL SERVICES**

- I am on the panel of reviewing editor for the journal Chinese Medicine, International Society for Chinese Medicine.
- I am on the Fiscal Council of the Management Team of the Macao Association for Scientific Cooperation between China and Portuguese Speaking Countries.

## **RESEARCH FUNDING AWARDED**

- FDCT General research grant (2021-2024) - The voltage-gated sodium channel NaV1.5 functions as an escape pathway from apoptosis in colon cancer cells (Grant value MOP 2,650,000). Co-investigator.
- Society for Endocrinology Small Grant Programme for Scientific Research in Endocrinology (2007-2008) – Mechanisms for dendritic peptide release (Grant value MOP 113330) Co-investigator.
- Project and travel award for EMBO 3D developmental imaging course 2011
- Travel award for the Society of Neuroscience conference from the Guarantors of Brain and the G Lawrence fund (University of Dundee) 2013, 2015 and 2018.

## SELECTED PUBLICATIONS

1. **Monteiro O**, Bhaskar A, Wong IN, Ng KM and Baptista-Hon DT (2021) Accepted: In Press. Teaching bioelectricity and neurophysiology to medical students using LabAXON simulations. (Adv Physiol Ed; IF: 2.89)
2. **Monteiro O**, Chen CW, Bingham R, Rowland P, Argyrou A, Buxton R, Pancevec C, Jones E, Bridges A, Gatfield K, Krauss S, Lambert J, Langston R, Schweiger S and Uings I (2018) 673 pp44-50 Pharmacological disruption of the MID-1/ $\alpha$ 4 interaction reduces mutant Huntingtin levels in primary neuronal cultures. (Neuroscience Letters; IF 2.274)
3. Arnoux I, Willam M, Griesche N, Krummeich J, Watari H, Offermann N, Weber S, Dey NP, Chen CW, **Monteiro O**, Buettner S, Meyer K, Bano D, Radyushkin K, Langston RF, Lambert JJ, Wanker E, Methner A, Krauss S, Schweiger S, and Stroh A. Early cortical network dysfunction and behavior changes in a mouse model of Huntington's Disease can be reversed by Metformin (eLife; IF 7.551).
4. L. Etherington, B. Mihalik, A. Pálvölgyi, I. Ling, K. Pallagi, B. G. Gunn; A. R. Brown; M. R. Livesey, **O. Monteiro**, D. Belelli, J. Barkóczy, M. Spedding, J. J. Lambert\*, F. A. Antoni\*. (2017) 125 pp353-364 Selective targeting of extra-synaptic  $\alpha$ 5-GABA<sub>A</sub> receptors by S44819 (Egis-13529), a novel competitive GABA<sub>A</sub> receptor inhibitor compound. (Neuropharmacology; IF 4.431)
5. **Monteiro O**, Wiegand UK, Ludwig M (2011) 489 pp30 – 33 Vesicle degradation in dendrites of magnocellular neurones of the rat supraoptic nucleus. (Neuroscience Letters; IF 2.274)

## LANGUAGES

English (fluent)

Cantonese Chinese (fluent)

Mandarin (intermediate)