

CURRICULUM VITAE

Personal Details

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| Name: | Rickie Patani | DOB: | 07/12/79 |
| Nationality: | British | Email: | rickie.patani@ucl.ac.uk |
| Telephone: | 07931722660 | | |

Academic and Higher Professional Qualifications

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| 03/17 | CCT (Neurology) | General Medical Council |
| 05/15 | MRCP (Neurology) | The Royal College of Physicians (UK) |
| 02/11 | PhD | Cambridge University |
| 06/07 | MRCP (UK) | The Royal College of Physicians (UK) |
| 07/04 | MBBS | Imperial College School of Medicine (ICSM) |
| 07/02 | BSc (neurosci.) | Imperial College - First Class Honours |

Markers of esteem

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| 10/17 | Appointed Clinical Academic Co-Director of the MND Centre, Queen Square |
| 03/17 | Appointed Honorary Consultant Neurologist at NHNN, Queen Square |
| 02/17 | Ono Pharmaceuticals UCL Rising Star Scientist Grant (Lead PI) |
| 09/16 | Named as a UCL 'Rising Star' Scientist on the successful MRC DRI bid (£250M) |
| 06/16 | Appointed Group Leader at The Francis Crick Institute (secondment) |
| 06/16 | Faculty of Brain Sciences (UCL) Excellence Award in Scientific Communication |
| 05/15 - 04/18 | UCL-Takeda Project Grant (PI) |
| 12/14 - 10/18 | Wellcome Trust Public Engagement Grant (Lead PI) |
| 10/13 - 10/18 | Wellcome Trust Intermediate Clinical Fellowship (Lead PI) |
| 06/11 - 04/12 | University Clinical Lectureship, Cambridge University |
| 07/10 | Cambridge University Neuroscience PhD seminar prize |
| 10/08 | The Beverley and Raymond Sackler Scholarship 2008 (re-awarded in 2009 and 2010) |
| 08/08 | Wellcome Trust Clinical Research Training Fellowship |
| 08/03 | The Provost Prize awarded by the Royal College of General Practitioners |
| 07/03 | The British Neuroscience Association National Undergraduate Award |

CAREER AIMS

I am utterly committed to resolving the mechanistic basis of ALS with an intention to discover therapies that can either slow, stop or ideally reverse motor neuron degeneration. To this end, I am a Consultant Neurologist / Clinical Academic Co-Director of the ALS clinic (Queen Square, the National Hospital for Neurology) and I am a Group Leader (at both UCL's Institute of Neurology and the Francis Crick Institute), where my laboratory focus on resolving fundamental cellular and molecular mechanisms of ALS using patient-specific induced pluripotent stem cells. Crucially, we ensure that all of our primary discoveries are validated in transgenic mouse and human post mortem tissue. This cross-modal validation ensures high confidence findings with greater translational impact.

Postgraduate Clinical Career

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| 10/17 | Appointed Clinical Academic Co-Director of the MND Centre at Queen Square. |
| 03/17 | Appointed Honorary Consultant Neurologist at NHNN, Queen Square. |
| 10/13 – 10/18 | Wellcome Trust Clinician Scientist at UCL, ION. |
| 04/11 – 10/13 | Specialist Registrar in Neurology at Queen Square, the National Hospital for Neurology and Neurosurgery, London and Addenbrookes hospital, Department of Clinical Neurosciences, Cambridge University Hospitals |
| 08/08 – 04/11 | Wellcome Trust Clinical Research Training Fellow / Honorary Specialist Registrar, Department of Clinical Neurosciences, Cambridge University |
| 08/07 – 08/14 | <i>Clinical Neuroscience Training Fellowship / Specialist Registrar Training Scheme in Neurology (PhD and SpR training fellowship), Cambridge University / Eastern Deanery.</i> |
| 02/05 – 08/07 | Hammersmith / Queen Square junior medical rotations |

Research Appointments

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|---------------|---|
| 10/17 | Appointed Clinical Academic Co-Director of the MND Centre at Queen Square. |
| 06/16 | Appointed Group Leader at The Francis Crick Institute (secondment). |
| 10/13 – 10/18 | Wellcome Trust Clinician Scientist at UCL. |
| 04/12 - 10/13 | Anne Rowling Fellowship in Regenerative Neurology |
| 01/11 – 10/13 | Post-doctoral Clinical Research Affiliate (Pedersen Laboratory) at the MRC Laboratory for Regenerative Medicine (LRM), Cambridge University |
| 06/11 – 04/12 | University Clinical Lectureship, Cambridge University |
| 08/08 – 01/11 | Wellcome Trust Clinical Research Fellow / PhD clinician at the MRC Laboratory for Regenerative Medicine (LRM) Cambridge University |
| 08/07 – 08/08 | Sir David Walker Clinical Research Fellow / PhD clinician at Brain Repair Centre, Cambridge University |
| 01/06 – 08/07 | Honorary Research Assistant. Department of Neuroinflammation, Institute of Neurology, Queen Square |
| 06/02 – 12/05 | Honorary Research Assistant Member of the UK MS Research Unit at Imperial College |

Peer reviewed publications (principal authorships underlined)

1. Luisier R, Tyzack GE, Hall CE, Mitchell JS, Devine H, Taha DM, Malik B, Meyer I, Greensmith L, Newcombe J, Ule J, Luscombe NM*, Patani R*. Intron retention and nuclear loss of SFPQ are molecular hallmarks of ALS. *Nature Communications*. 2018 May 22;9(1):2010. (**Corresponding author**).
2. Peskett TR, Rau F, O'Driscoll J, **Patani R**, Lowe R, Saibil HR. A liquid to solid phase transition underlying pathological huntingtin exon1 aggregation. *Molecular Cell*. 2018 May 17;70(4):588-601.e6.
3. Maffioletti SM, Sarcar S, Henderson ABH, Mannhardt I, Pinton L, Moyle LA, Steele-Stallard H, Cappellari O, Wells KE, Ferrari G, Mitchell JS, Tyzack GE, Kotiadis VN, Khedr M, Ragazzi M, Wang W, Duchon MR, **Patani R**, Zammit PS, Wells DJ, Eschenhagen T, Tedesco FS. Three-Dimensional Human iPSC-Derived Artificial Skeletal Muscles Model Muscular Dystrophies and Enable Multilineage Tissue Engineering. *Cell Reports*. 2018 Apr 17;23(3):899-908.
4. Kelley KW, Ben Haim L, Schirmer L, Tyzack GE, Tolman M, Miller JG, Tsai HH, Chang SM, Molofsky AV, Yang Y, **Patani R**, Lakatos A, Ullian EM, Rowitch DH. Kir4.1-Dependent Astrocyte-Fast Motor Neuron Interactions Are Required for Peak Strength. *Neuron*. 2018 Apr 18;98(2):306-319.e7.
5. Serio A, Patani R*. Concise Review: The Cellular Conspiracy of Amyotrophic Lateral Sclerosis. *Stem Cells*. 2018 Mar;36(3):293-303.
6. R. Simone, Balendra R, Moens TG, Preza E, Wilson KM, Heslegrave A, Jaramillo JG, Abdelkarim S, Clarke M, Woodling NS.... Patani R*, Fratta P*, Isaacs AM*. 'G-quadruplex-binding small molecules ameliorate C9orf72 FTD/ALS pathology in vitro and in vivo'. *EMBO Molecular Medicine*. 2018 Jan;10(1):22-31. (**joint senior and corresponding author**).
7. Tyzack GE, Hall CE, Sibley CR, Cymes T, Forostyak S, Carlino G, Meyer I, Schiavo G, Zhang SC, Gibbons GM, Newcombe J, Patani R*, Lakatos A* 'EphB1 is a neuronal signal that induces a neuroprotective astrocyte state, but fails in ALS' *Nature Communications* 2017 Oct 27;8(1):1164. (***Joint senior and corresponding author**).
8. Thelin EP, Hall CE, Gupta K, Carpenter KLH, Chandran S, Hutchinson PJ, Patani R*, Helmy A*. Elucidating pro-inflammatory cytokine responses following traumatic brain injury in a human stem cell model. *Journal of Neurotrauma* 2017 Oct 5. doi: 10.1089/neu.2017.5155. (***Joint senior and corresponding author**).
9. Hall CE, Yao Z, Choi M, Tyzack GE, Serio A, Luisier R, Harley J, Preza E, Arber C, Crisp SJ, Watson PMD, Kullmann DM, Abramov AY, Wray S, Burley R, Loh SHY, Martins LM, Stevens MM, Luscombe NM, Sibley C, Lakatos A, Ule J, Gandhi S*, Patani R*. 'Progressive motor neuron pathology and the role of astrocytes in a human stem cell model of VCP-related ALS'. *Cell Reports* 2017 May 30;19(9):1739-1749. (**Corresponding author**).
10. Soreq L, UK Brain Expression Consortium, North American Brain Expression Consortium, Rose J, Soreq E, Hardy J, Trabzuni D, Cookson MR, Smith C, Ryten M, Patani R*, Ule J*. 'Major shifts in glial regional identity are a transcriptional hallmark of human brain aging'. *Cell Reports* 2017 Jan 10;18(2):557-570. (***Joint senior and corresponding author**).
11. Devine H, Patani R. 'The Translational Potential of Human Induced Pluripotent Stem Cells for Clinical Neurology'. *Cell Biology and Toxicology* 2017 Apr;33(2):129-144.
12. Qiu J, McQueen J, Bilican B, Dando O, Magnani D, Punovuori K, Selvaraj BT, Livesey M, Haghgi G, Heron S, Burr K, **Patani R** et al. 'Evidence for evolutionary divergence of activity-dependent gene expression in developing neurons.' *Elife*. 2016 Oct 1;5. pii: e20337.
13. Smethurst P, Newcombe J, Troakes C, Simone R, Chen YR, **Patani R**, Sidle K. 'In vitro prion-like behaviour of TDP-43 in ALS'. *Neurobiol Dis*. 2016 S0969-9961(16)30195-4.
14. Tyzack G, Lakatos A, Patani R. 'Human Stem Cell-Derived Astrocytes: Specification and Relevance for Neurological Disorders'. *Current Stem Cell Reports* 2016 2:236-247.
15. Zirra A, Wiethoff S, Patani R. 'Neural conversion and patterning of human pluripotent stem cells: a developmental perspective'. *Stem Cells International* 2016 8291260. doi: 10.1155/2016/8291260.

16. Balendra R, **Patani R**. 'Quo vadis MND?'. *World J Methodol*. 2016 26;6(1):56-64.
17. Rzechorzek NM, Connick P, Livesey MR, Borooah S, **Patani R**, Burr K, Story D, Wyllie DJ, Hardingham GE, Chandran S. Hypothermic Preconditioning Reverses Tau Ontogenesis in Human Cortical Neurons and is Mimicked by Protein Phosphatase 2A Inhibition. *EBioMedicine*. 2015 Dec 12;3:141-54.
18. **Patani R**. Generating Diverse Spinal Motor Neuron Subtypes from Human Pluripotent Stem Cells. *Stem Cells International* 2016 1036974. doi: 10.1155/2016/1036974.
19. Rzechorzek NM, Connick P, **Patani R**, Selvaraj BT, Chandran S. Hypothermic Preconditioning of Human Cortical Neurons Requires Proteostatic Priming. *EBioMedicine*. 2015 Apr 11;2(6):528-35.
20. Wiethoff S, Arber C, Li A, Wray S, Houlden H, **Patani R**. Using human induced pluripotent stem cells to model cerebellar disease: Hope and hype. *J Neurogenet*. 2015 Jun-Sep;29(2-3):95-102.
21. Samani A, Davagnanam I, Cockerell OC, Ramsay A, **Patani R***, Chataway J* 'Lymphomatosis Cerebri – a Treatable Cause of Rapidly Progressive Dementia' *Journal of Neurology, Neurosurgery and Psychiatry* 2014 May (* Joint senior authors).
22. Reimer MM, Norris A, Ohnmacht J, **Patani R**, Zhong Z, Dias TB, Kuscha V, Scott AL, Chen Y, Rozov S, Frazer SL, Wyatt C, Higashijima S, Patton EE, Panula P, Chandran S, Becker T, Becker CG 'Dopamine/D4a signaling from the brain augments spinal motor neuron generation during development and adult regeneration via hedgehog pathway activation'. *Developmental Cell* 2013 Jun 10;25(5):478-91.
23. **Patani R**, Muhammed N, Chaudhuri A. 'Flexor Hallucis Brevis Syndrome'. *Muscle and Nerve* 2013 Jun;47(6):939.
24. Athappily C*, **Patani R***, Chawda S, Rosser E, de Silva R. 'TS or not TS'. *Practical Neurology* 2013 Aug;13(4):268-70. (* Joint first authors).
25. Shribman S*, **Patani R***, Deeb J, Chaudhuri A. 'Voltage gated potassium channelopathy: an expanding spectrum of clinical phenotypes'. *BMJ Case Reports* 2013 Jan 10;2013. (* Joint first authors).
26. **Patani R**, Chandran S. 'Experimental and therapeutic opportunities for stem cells in multiple sclerosis' *International Journal of Molecular Science*. 2012 Nov 8;13(11):14470-91.
27. **Patani R**, Lewis PA, Trabzuni D, Puddifoot CA, Wyllie DJ, Walker R, Smith C, Hardingham GE, Weale M, Hardy J, Chandran S, Ryten M. 'Investigating the utility of human embryonic stem cell derived neurons to model ageing and neurodegenerative disease using whole-genome gene expression and splicing analysis' *Journal of Neurochemistry*. 2012 Aug;122(4):738-751.
28. **Patani R**, Sibley CR, Chandran S, Ule J. Using human pluripotent stem cells to study posttranscriptional mechanisms of neurodegenerative diseases. *Brain Research*. 2012 Jun 26;1462:129-38.
29. Connick P*, Kolappan M*, Crawley C, Webber DJ, **Patani R**, Michell AW, Du MQ, Luan SL, Altmann DR, Thompson AJ, Compston A, Scott MA, Miller DH, Chandran S. Autologous mesenchymal stem cells for the treatment of secondary progressive multiple sclerosis: an open-label phase 2a proof-of-concept study. *Lancet Neurology*. 2012 Feb;11(2):150-6.
30. Thomson SR, Wishart TM, **Patani R**, Chandran S, Gillingwater TH. 'Using induced pluripotent stem cells (iPSC) to model human neuromuscular connectivity: promise or reality?' *Journal of Anatomy*. Feb; 220(2):122-30.
31. Gupta K, **Patani R**, Baxter P, Serio A, Story D, Tsujita T, Hayes JD, Pedersen RA, Hardingham GE, Chandran S. 'Human embryonic stem cell derived astrocytes mediate non-cell-autonomous neuroprotection through endogenous and drug-induced mechanisms'. *Cell Death & Differentiation*. 2012 May; 19(5):779-87.
32. Tan CL, Kwok JCF, **Patani R**, Chandran S, Fawcett JW. 'Integrin activation promotes axon growth on inhibitory CSPGs by enhancing integrin signaling'. *Journal of Neuroscience*. 2011 Apr 27;31(17):6289-95.
33. Connick P*, Kolappan M*, **Patani R** et al (2011). 'The Mesenchymal Stem Cells in MS (MSCIMS) Trial: Methodology and baseline cohort characteristics' *Trials*. 2011 Mar 2;12:62.

34. **Patani R**, Hollins AJ, Wishart TM, Puddifoot CA, Álvarez S, de Lera AR, Wyllie DJA, Compston DAS, Pedersen RA, Gillingwater TH, Hardingham GE, Allen ND, Chandran S. 'Retinoid independent generation of motor neurons from human embryonic stem cells reveals a medial columnar ground state' *Nature Communications*. 2011;2:214.
35. Tollervey JR, Curk T, Rogelj B, Briese M, Cereda M, Kayikci M, Hortobágyi T, Nishimura AL, Župunski V, **Patani R**, Chandran S, Rot G, Zupan B, Shaw CE, Ule J. 'Characterising the RNA targets and position-dependent splicing regulation by TDP-43; implications for neurodegenerative diseases'. *Nature Neuroscience*. 2011 Apr;14(4):452-8.
36. Connick P*, **Patani R***, Chandran S. 'Stem Cells as a resource for Regenerative Neurology' *Practical Neurology*. 2011 Feb;11(1):29-36 (* **Joint first authors**).
37. Bell KF, Al-Mubarak B, Fowler JH, Baxter PS, Gupta K, Tsujita T, Chowdhry S, **Patani R**, Chandran S, Horsburgh K, Hayes JD, Hardingham GE. 'Mild oxidative stress activates Nrf2 in astrocytes, which contributes to neuroprotective ischemic preconditioning'. *Proceedings of the National Academy Sciences*. 2011 Jan 4;108(1):E1-2.
38. Iovino M, **Patani R**, Watts C, Chandran S, Spillantini MG (2010). 'Human Stem Cell-derived Neurons: a System to Study Human Tau Function and Dysfunction'. *PLoS ONE*. 2010 Nov 11;5(11):e13947.
39. Hardingham GE, **Patani R**, Baxter P, Wyllie DJA, Chandran S. 'Human embryonic stem cell-derived neurons as a tool for studying neuroprotection and neurodegeneration'. *Molecular Neurobiology*. 2010 Aug;42(1):97-102.
40. Anderson JM*, **Patani R***, Reynolds R, Nicholas R, Compston A, Spillantini MG, Chandran S. 'Abnormal tau phosphorylation in primary progressive multiple sclerosis'. *Acta Neuropathologica*. 2010 May;119(5):591-600 (* **Joint first authors**).
41. **Patani R**, Compston A, Puddifoot CA, Wyllie DJ, Hardingham GE, Allen ND, Chandran S. 'Activin/Nodal inhibition alone accelerates highly efficient neural conversion from human embryonic stem cells and imposes a caudal positional identity' *PLoS ONE*. 2009 October 4(10): e7327 Oct 6;4(10):e7327.
42. Anderson JM*, **Patani R***, Reynolds R, Nicholas R, Compston A, Spillantini MG, Chandran S. 'Evidence for abnormal tau phosphorylation in early aggressive multiple sclerosis'. *Acta Neuropathologica*. 2009 May;117(5):583-9 (* **Joint first authors**).
43. Anderson JM, Hampton DW, **Patani R**, Pryce G, Crowther RA, Reynolds R, Franklin RJ, Giovannoni G, Compston DA, Baker D, Spillantini MG, Chandran S. 'Abnormally phosphorylated tau is associated with neuronal and axonal loss in experimental autoimmune encephalomyelitis and multiple sclerosis' *Brain*. 2008 Jul;131(Pt 7):1736-48.
44. **Patani R**, Balaratnam M, Vora A, Reynolds R. 'Remyelination can be Extensive in Multiple Sclerosis Despite a Long Disease Course'. *Neuropathology and Applied Neurobiology*. 2007 Vol 33, Issue 3, 277-287.

Grants

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| 2019 - 2022 | Co-Investigator; MRC grant (PI: L Greensmith) £1.047M |
| 2018 - 2019 | Co-Investigator; MND small grants (PI: K Sidle) £30K |
| 2018 - 2019 | Principal Investigator Ono Pharmaceuticals Rising Star Scientist Grant: £273K |
| 2017 - 2018 | Principal Investigator Ono Pharmaceuticals Rising Star Scientist Grant: £74K |
| 2017 - 2020 | Co-Investigator; MND grant (PI: L Greensmith) £197K |
| 2016 - 2019 | Co-Supervisor; MRC CRTF (to Helen Devine): £210K |
| 2015 - 2019 | Co-Investigator; MND Senior non-clinical Fellowship (to M. Hallegger): £397K |
| 2015 - 2018 | Principal Investigator; UCL-Takeda Project Grant: £480K |
| 2015 - 2018 | Co-Supervisor; Wellcome Trust CRTF (to Rubika Balendra): £250K |
| 2014 - 2018 | Principal applicant; Wellcome Trust Public Engagement Grant £108K |
| 2013 - 2018 | Principal applicant; Wellcome Trust Intermediate Clinical Fellowship £1.02M |
| 2008 - 2011 | Principal applicant; Wellcome Trust Research Training Fellowship (PhD): £200K |
| 2007 - 2008 | Principal applicant; Sir David Walker Fellowship £100K |

Public Engagement Portfolio: I believe that it is our absolute duty as scientists to raise public understanding and awareness of ALS through authentic engagement. My vision is to use innovative and impactful engagement to i) foster a genuine dialogue between science and society ii) inspire the next generation of thinkers and leaders and iii) engagement throughout the research life cycle. Some examples of our work:

i) 'Action Potential', where professional dancers 'anthropomorphise' an action potential arriving at a neuromuscular Junction. This idea was conceived and operationalized by myself through forming key collaborations with MNDA and Combination Dance. Initial funding for this activity from my Wellcome Public Engagement Grant has been matched by external funding and this has been performed at 6 venues including the Science Museum, Imperial Science Festival (Great Hall) and UCL's Bloomsbury theatre.

ii) Thought to Flesh dramatizes the emotions of a patient with MND. This has been performed at 3 different venues (initial funding matched following the premiere at the Vault Festival in Waterloo). Subsequently performed at UCL's 'It's all academic' festival and Clapham Grand. Sponsored recently by Pint of Science and Creative Reactions. I conceived this idea together with Gareth Mitchell and Nathalie Czarneski.

iii) Social media. Our lab has >900 followers on twitter (@PataniLab). We have a facebook page and a UCL website. A private website has also been developed: <http://thepatanilab.com>.

iv) Video blogs or 'Vlogs': Our lab has collaborated with a video producer and made several short videos to demystify science and build a trusting bridge between researchers and society. We have these videos publicly available on our lab's YouTube channel: <https://m.youtube.com/channel/UCTIFRpR7KsdOC2dX1lkFXxA>

Invited academic activities:

1) Grant Reviewer for the following funding bodies:

- i) Wellcome Trust
- ii) Medical Research Council (MRC)
- iii) BBSRC
- iv) European Research Council (ERC)
- v) German Research Foundation (DFG)
- vi) Italian Foundation for Research on ALS (AriSLA)

2) Reviewer for the following journals:

- i) Cell Reports
- ii) Brain: A Journal of Neurology
- iii) Medicinal Research Reviews
- iv) Journal of Neuroinflammation
- v) Stem Cells and Development
- vi) Neurochemistry International
- vii) Neuroscience Letters

3) Commentary on new papers by ALZforum e.g.

<http://www.alzforum.org/news/research-news/human-and-mouse-microglia-look-alike-age-differently>

4) Francis Crick Institute's Science Media Centre Expert Database

5) Presentations / Meetings

- 07/17 Wellcome Trust Session for Clinical Fellows undertaking a PhD (invited by James Harden and Claire McVicker to give a talk entitled 'Reflections on my intellectual journey as a Clinician Scientist').
- 09/16 Wellcome Trust Public Engagement Workshop (internal strategy meeting, invited by Amy Seakins).

- 03/16 Oral (invited talk) – The Leonard Wolfson Experimental Neurology Centre (LWENC) Symposium at UCL, ION. ‘A stem cell-based human toolkit for modelling neurodegeneration in a dish’.
- 09/15 Oral (invited talk) – ALS seminar series at UCL, ION. ‘The generation of diverse motor neuronal and glial subtypes from patient-specific iPSCs: Quo Vadis ALS?’.
- 01/14 Oral (invited talk) – NIHR Dementia Biomedical Research Unit Stem Cells Workshop. ‘The need to generate diverse neuronal and glial subtypes from pluripotent stem cells in order to accurately model neurodegeneration’.
- 05/13 Oral – LMB, Cambridge University (Prof. Ule Group) ‘Capturing the earliest molecular pathogenic events in Motor Neuron Disease using human induced pluripotent stem cell technology’.
- 01/12 Oral (invited talk) – UCL Institute of Child Health ‘Using pluripotent stem cells to understand development and disease of the human nervous system’.
- 05/11 Oral – Oxbridge annual neuroscience meeting ‘Resolving the developmental logic of human motor neuron subtype specification using stem cells’.

6) Committees / Panels / Memberships

- 2018 Steering Committee for Public Engagement at the Francis Crick Institute (exhibitions)
- 2017 Invited Supervisor for the UCL Leonard-Wolfson PhD Programme
- 2017 UCL representative for “The Francis Crick Institute Networking Fund Committee”
- 2017 Member of the “HESCU / Pluripotent Stem Cell Strategy & Management Committee at the Francis Crick Institute”
- 2016 Appointed Honorary Lady Edith Wolfson Clinical Fellow by MND Association
- 2015 Member of Reta Lila Weston Institute “Stem Cell Strategy Committee”

Teaching and Training

I am committed to inspiring / training the next generation of clinician scientists and wish to transparently teach the skills that I myself have acquired over the course of my career to promote scientific progress without boundaries.

10/13 – present Supervisor to 7 x PhD students, 6 x Postdocs and 3 x technicians at UCL.

Completed PhDs

- 2014-2017 Rubika Balendra. (I was secondary supervisor). *Currently: applying for personal fellowships after a successful PhD.*
- 2013-2016 Claire Hall (I was primary supervisor). *Currently: part-time Post-doc in my lab and secured a place at graduate medical school in the UK.*
- 2013-2016 Sarah Wiethoff (I was secondary supervisor). *Currently: honorary Post-doc in my lab and secured a tenure-track position as a Clinician Scientist in Germany.*

Current students for which I am primary PhD supervisor

- 2015-2018 Helen Devine (co-primary supervisors L Greensmith and M Hanna)
- 2017-2020 Jasmine Harley (co-primary supervisor S Gandhi)
- 2017-2020 Jamie Mitchell
- 2017-2020 Doaa Marei

MSc Students

- 2013-2014 Dr Alexandra Zirra.
- 2016-2017 Ms Giulia Carlino.

BSc Students

- 2016-2017 Mr Viren Pandya.

Other Invited Teaching and Training

- 10/17 – present Lecturer on Clinical Neuroscience / Neurology MSc course at UCL, ION.
- 03/16 – present Journal club tutor for Leonard Wolfson PhD students (clinical and non-clinical)
- 11/15 – present ION's Scientific Mentoring Scheme (currently 1 PDRA mentee)
- 10/15 – present Lecturer on Neuromuscular MSc course at UCL, ION.
- 02/12 – 02/13 Tutor for Sensorimotor neurobiology to Natural Sciences/Medicine undergraduates at Robinson College, Cambridge University
- 11/07 – 06/12 Clinical co-ordinator and supervisor for MBPhD students (Cambridge University Clinical School). 3 separate MBPhD groups taught since 2007.
- 08/08 – 06/09 College tutor for Final MB at King's College, Cambridge University.
- 09/04 – 08/07 Clinical tutor for Final MB at Imperial College, London.

Invited formal examining duties

- 02/18 Internal examiner for MPhil – PhD upgrade for B. O'callaghan (Houlden Lab, University College London).
- 02/18 Internal examiner for MPhil – PhD upgrade for B. Clarke (Greensmith Lab, University College London).
- 10/17 Internal examiner for PhD – Bao-Luen Chang (Schorge Lab, University College London).
- 05/17 Internal examiner for MPhil – PhD upgrade for I. Meyer (Schiavo Lab, University College London).
- 10/16 External examiner for MPhil – PhD upgrade for A. Hammad (Spillantini Lab, University of Cambridge).
- 08/15 External examiner for MPhil – PhD upgrade for J. Ostick (Spillantini Lab, University of Cambridge).