

# SAMUEL MALONE

POB: London  
DOB: 31/01/1989

samuel.malone@inserm.fr  
MOB: 06 73 17 83 05

## EDUCATION

2013-2014

University of Lille 2, France

**M.Sc. Neuroscience**

2009-2012

University of Bristol, United Kingdom

**B.Sc. (Hons) Anatomical Science, First Class (72.2)**

### GRE General Exam 2012

Verbal Reasoning 166 (97<sup>th</sup> percentile)

Quantitative Reasoning 159 (79<sup>th</sup> percentile)

Analytical Writing 5.0 (93<sup>rd</sup> percentile)

2000-2007

St. Columba's College, United Kingdom

**'A' Levels:** Biology (A); Mathematics (A); Chemistry (B)

**Certificate in Financial Services** (Level 3 CeFS, Distinction)

**'AS' Levels:** Physics (A); Critical Thinking (A)

**GCSE's:** 4 A\*, 8 A, including English, Maths & French

## RESEARCH EXPERIENCE

September-May 2014

Université Lille 2, INSERM U837, France

**Masters 2 Research Project:** A novel role for Anti-Müllerian Hormone on the development of the GnRH system. **Supervisors Paolo Giacobini & Vincent Prévot**

Techniques used:

- 3DISCO imaging of human foetuses & transgenic mouse lines
- Micro-dissection of Median Eminence
- Primary cell culture
- Immortalized cell culture
- Cryoprotection and microtome sectioning of brains
- Quantitative Real Time PCR
- *In vitro* siRNA transfections
- Transwell and Stripe migration assays
- MTT assay
- Flow Cytometry
- Western Blot

July-October 2012

University of Bristol

**Funded Summer Research Placement:** Spatial & temporal changes in the relationship between tanycytes, deiodenase II, thyroid stimulating hormone receptor (TSH-R) and VEGF-A isoform expression in the ovine median eminence. **Supervisors Domingo Tortonese & David Bates**

Techniques used:

- Paraffin wax embedding
- Sectioning (Cryostat, Microtome)
- Immunofluorescence
- Image analysis using ImageJ software analysis

October-May 2012

University of Bristol

**Experimental Dissertation:** Vascular endothelial growth factor and the pituitary control of fertility. **Supervisors Domingo Tortonese & David Bates**

Techniques used:

- Immunohistochemistry/immunocytochemistry
- Reverse Transcriptase Polymerase Chain Reaction (RT-PCR)
- Enzyme Linked Immunosorbent Assay (ELISA)
- Surgical Dissection
- Knowledge of transgenic animal generation
- Microscope skills

## I.T SKILLS

Extensive knowledge of all Microsoft Office programs and experienced in using advanced internet search engines. Proficient in Statistical analysis using Prism 6 & SPSS, image processing and analysis using ImageJ, Adobe Creative Suite, Vaad3d and Zen Imaging. Created the lab website <https://hypothalamus.eu>.

## PUBLICATIONS & CREDITS

Semaphorin7A regulates neuroglial plasticity at the adult hypothalamic median eminence.

Parkash J, Messina A, Langlet F, Cimino I, Loyens A, Mazur D, Gallet S, Balland E, **Malone SA**, Pralong FP, Cagnoni, Schellino R, De Marchis, Mazzone M, Pasterkamp JR, Tamagnone L, Prevot V, Giacobini P

Nat Commun. 2015, 6:6385 doi:10.1038/ncomms7385

Castle-Miller J; **Malone SA**; Pickworth C; Tortonese DJ; Bates DO

“Differential VEGF<sub>164</sub>/VEGF<sub>164b</sub> expression in the ovine pituitary; a potential role in fenestration maintenance?”

MicroCirc 2012; University of Oxford (joint meeting of the American and British microcirculation societies): Oral Presentation and winner of the Young Investigator in Science Award

Castle-Miller J; **Malone S**; Pickworth C; Tortonese DJ; Bates DO

“Differential VEGF-A isoform expression in the pars distalis and pars tuberalis of the ovine pituitary gland during the breeding season: a potential mechanism of vascular permeability control”

British Society of Neuroendocrinology 2012, University of Aberdeen

Castle-Miller J; **Malone S**; Pickworth C; Tortonese DJ; Bates DO

“Spatial differences in the expression of VEGF-A isoforms in the ovine pituitary gland during the breeding season and non-breeding season: implications for the control of vascular permeability”

European Neuroendocrine Association 2012, Vienna

“**Quantum of Solace**” (MGM, Columbia Pictures, EON productions; 2008)

2nd Unit Trainee Video Assist (UK & Italy)

“**Ra.One**” (Red Chillies Entertainment, Eros International; 2011)

Assistant Video Assist (UK)

“**Gymnast**” (BBC films, Prospect Film Productions; 2011)

Video Assist

“**Snow White And The Huntsman**” (Roth Films, Universal Pictures; 2012)

Video Assist (UK Test Unit)

“**Prometheus**” (Twentieth Century Fox, Dune Entertainment, Scott Free Productions; 2012)

Assistant Video Assist (UK & Iceland)

“**Avengers Assemble**” (Marvel Pictures, 2015) Assistant Video Assist (Main Unit)

Television Campaign Commercials include **Chanel, PC World, Hasbro & Pantene**

Video Assist

## INTERESTS & ACHIEVEMENTS

- Tutored Anatomy & Physiology, for undergraduate students at the University of Bristol
- Successful chess player
- Co-director of a ‘Young Enterprise’ startup company that generated over £30,000 of promised advertisement sales for a gap year magazine
- Keen cook

## REFEREES

Dr. D Tortonese – Undergraduate Academic Supervisor, Univ. of Bristol. **d.tortonese@bris.ac.uk**

Dr. P Giacobini – Masters Research Supervisor, INSERM U837. **paolo.giacobini@inserm.fr**

Dr. A Sharif – Maître de Conférences en Neurosciences. Université Lille 2. **ariane.sharif@inserm.fr**