



## Schedule

### Tuesday 21<sup>st</sup> August: Workshop

| Time          | Activity       |  | Location   |
|---------------|----------------|--|------------|
| 12:00 - 13.30 | Registration   |  | Main foyer |
| 12.30 – 14.00 | Tea and coffee |  | Room 3508  |
| 14.00 – 17:00 | Workshop       | Session 1: How to get your journal article past an editor<br><br>Session 2: Fostering reproducible and replicable science in laterality research | Room 3508  |
| 17:00 – 18:00 | Discussion     |  |            |

### Wednesday 22<sup>nd</sup> August

| Time          | Activity                   | Title  | Location       |
|---------------|----------------------------|--|----------------|
| 10.00 - 12.30 | Registration               |  | Main foyer     |
| 10.00 – 12.00 | Tea and Coffee             |  | 2522/2521      |
| 12.00 - 13.15 | Lunch                      |  | Student Centre |
| 13.20 - 13.40 | Welcome                    |  | 2522           |
|               | <b>Session 1</b>           |  |                |
| 13.40 - 14.00 | Scott Hardie               | Inhibited Lefties? Overview of handedness research at Abertay.   | 2522           |
| 14.00 - 14.20 | Sebastian Ocklenburg       | The 75% riddle in asymmetry ontogenesis: where do we go from here?                                       | 2522           |
| 14.20 - 14.40 | Carolien de Kovel          | Early life factors influencing hand preference in the UK biobank cohort                                  | 2522           |
| 14.40 – 15.00 | Silvia Paracchini          | The ePeg, a digital task to assess handedness  | 2522           |
| 15.00 – 15.30 | <b>Discussion + Coffee</b> |  | 2522/ 2521     |
|               | <b>Session 2</b>           |  |                |
| 15.30 – 15.50 | James Roe                  | Functional asymmetries of memory retrieval: Are two hemispheres better than one in neurocognitive aging? | 2522           |

|               |                 |  |                      |
|---------------|-----------------|--|----------------------|
| 15.50 – 16.10 | Guy Vingerhoets | Influence of human situs inversus totalis on structural and functional brain asymmetry                 | 2522                 |
| 16.10 – 16.30 | Merel Postema   | Exploring genetic links between brain- and body asymmetries in people with situs inversus totalis      | 2522                 |
| 16.30 – 16.50 | Ursula Fischer  | The relationship between fine motor skills and arithmetic abilities in left- and right-handed children | 2522                 |
| 16.50 – 17.20 | Discussion      |  | 2522                 |
| 19.00 – 21.00 | Civic Reception |  | Dundee City Chambers |

### Thursday 23<sup>rd</sup> August

| Time          | Activity                       | Title   | Location       |
|---------------|--------------------------------|---|----------------|
| 08.50 – 09.20 | Coffee                         |   | 2522/2521      |
|               | <b>Session 3</b>               |   |                |
| 09.20 – 09.40 | Markus Hausmann                | Language lateralisation measured across linguistic and national boundaries  | 2522           |
| 09.40 – 10.00 | Nevena Dimitrova               | Does handedness for early gesture use indexes language abilities in children with autism spectrum disorders?                              | 2522           |
| 10.00 – 10.20 | Eric Sieroff                   | Visual field presentation and reading deficits after hemispheric lesion or dysfunction in epilepsy  | 2522           |
| 10.20 – 10.40 | Robin Gerrits                  | Visual word recognition and face recognition asymmetries covary with language dominance   | 2522           |
| 10.40 – 11.10 | <b>Discussion &amp; Coffee</b> |   | 2522/ 2521     |
|               | <b>Session 4</b>               |   |                |
| 11.10 – 11.30 | Lynn Wright                    | Do handedness related primes influence task performance?  | 2522           |
| 11.30 – 11.50 | Margaret Webb                  | Do “left field” thinkers perceive “left of field” ideas differently? Handedness and schizotypy in production and perception of creativity | 2522           |
| 11.50 – 12.10 | Florian Loffing                | Visual anticipation of left- and right-handed action intentions: No evidence of selective same-hand facilitation                          | 2522           |
| 12.10 – 12.30 | Nicole Thomas                  | Mind the boys! The effect of squeezing balls on the brain   | 2522           |
| 12.30 - 13.00 | Discussion                     |   | 2522           |
| 13.00 - 14.00 | Lunch                          |   | Student Centre |
|               | <b>Session 5</b>               |   |                |
| 14.00 – 16.30 | Posters                        |   | Events Space   |

|               |                                |  |      |
|---------------|--------------------------------|--|------|
| 15.00 – 15.30 | Cold drink break               |  |      |
| 16:30 – 17.00 | Mike Nichols and Gina Grimshaw | Laterality: Asymmetries of Body, Brain and Cognition: editorial practice and the changing world of research. | 2522 |
| 17.00 – 19.00 | Bottle Bar                     |  | HMC  |

## Friday 24<sup>th</sup> August

| Time          | Activity                       | Title  | Location       |
|---------------|--------------------------------|--|----------------|
| 08.50 – 09.20 | Coffee                         |  | 2521           |
|               | <b>Session 6</b>               |  |                |
| 09.20 – 09.40 | Rene Westerhausen              | Does the corpus callosum determine the degree of emotional awareness?  | 2522           |
| 09.40 – 10.00 | Henri Lenoir                   | Asymmetry of three-quarter views in facial emotion recognition   | 2522           |
| 10.00 – 10.20 | Emma Karlsson                  | Emotional prosody processing in individuals with left or right cerebral language dominance   | 2522           |
| 10.20 – 10.40 | Ellie Aniulis                  | Slimness Attracts Attention: Thin and Plus-Size Models Differentially Modulate Pseudoneglect   | 2522           |
| 10.40 – 11.10 | <b>Discussion &amp; Coffee</b> |  | 2522/ 2521     |
|               | <b>Session 7</b>               |  |                |
| 11.10 – 11.30 | Kristiina Kompus               | Glutamatergic modification of lateralized connectivity patterns of the superior temporal gyrus during oddball paradigm: an 1H-MRS- fMRI experiment | 2522           |
| 11.30 – 11.50 | Tess Beking                    | Two sides to every story. Effects of testosterone and estradiol on brain lateralization.   | 2522           |
| 11.50 – 12.10 | Martina Manns                  | Dogs or cats? Categorization and hemispheric dominance in pigeons  | 2522           |
| 12.10 – 12.30 | Gemma Learmonth                | Pseudoneglect in healthy older adults: Are spatial biases eliminated or just harder to identify?   | 2522           |
| 12.30 - 13.00 | Discussion                     |  | 2522           |
| 13.00 - 14.00 | Lunch                          |  | Student Centre |
|               | <b>Session 8</b>               |  |                |
| 14.10 – 14.30 | Chris McManus                  | The vicissitudes of studying geographical variation in handedness  | 2522           |
| 14.30 – 14.50 | David Carey                    | Hand, foot, eye, and ear: can left-sided asymmetries predict right brain dominance for language?   | 2522           |

|                  |                              |  |            |
|------------------|------------------------------|--|------------|
| 15.10 – 15.30    | Mike Nichols                 | Far Out! Hemispheric asymmetries for processing near and far space.                          | 2522       |
| 15.30 – 15.50    | Coffee & Discussion          |  | 2522/2521  |
| 15.50 – 16.10    | Patrick Friedrich            | On the neural foundation of individual differences in lateralized cognition: A triadic model | 2522       |
| 16.10 – 16.40    | Ton Groothuis                | On the elusive Darwinian function of lateralization of brain and behaviour                   | 2522       |
| 16.40 – 17.00    | Discussion & Closing Remarks |  |            |
| 19.30 - midnight | Conference Dinner            |  | Apex Hotel |

### List of Posters

- Stephanie Lor Differential expression of the miR-183/-96/-182 cluster during the ontogeny of neuronal asymmetry
- Patrick Friedrich Neurite architecture of the planum temporale predicts neurophysiological processing of auditory speech
- Lisa Mochalski Structural correlates of visuospatial and verbal working memory
- Nic Badcock Is functional transcranial Doppler ultrasound sensitive to dichotic listening?
- Dimitrios Kourtis Dissociable effects of direction and consistency of hand preference in allocation of attention and movement planning: An EEG study
- Sofie Van Den Bossche Effective connectivity modulation related to handedness: A DCM study of the HCP motor task
- Binia Stieger Righty or Lefty: About the consistency of lateralized behavior across time and context in mice
- Matia Okubo Unconscious knowledge about lateral posing preferences
- Lana Ruck Handedness measures for the Human Connectome Project: Implications for data analysis
- Robin Gerrits Children with specific language impairment lack population-level laterality for language-related white matter tracts
- Judith Schmitz Hemispheric asymmetries in grey matter microstructure identified by neurite orientation dispersion and density imaging
- Marietta Papadatou-Pastou Handedness in autism: Two meta-analyses

13. Nathalie Tzourio-Mazoyer      Brain language dominance and hand lateralization relationships: insights from the Brain Imaging Lateralization database (BIL&GIN).
14. Isabelle Hesling      Heteromodal Brain Areas Common To Production, Listening And Reading Tasks At The Word Level: An fmri Study Of 144 Right-Handers From The Bil&Gin
15. Laure Zago      Contributions of handedness and eye sighting dominance to pseudoneglect during the line bisection task
16. Xiang Li      Cerebral torque is human specific and unrelated to brain size
17. Carlos Emilio      Generalized Linear Models to dissect the association between  
Buenaventura      brain asymmetries and cognitive skills  
Castillo
18. Florian Loffing      Handedness and Relative Age in Individual Interactive Sports Revisited
19. Roma Siugzdaite      Assortativity can detect functional lateralization in the resting brain
20. Louise O'Regan      Interhemispheric interactions during word processing: effects of handedness.
21. Amanda Leitch      Do lefties prefer the left and righties prefer the right?
22. Chloe Digan      Does instruction type influence state anxiety and approach behaviour in left- and right-handers?
23. Scott Burrows      Developing the HIS and HRS scale: the story so far.....
24. Heather Taylor      Gibbon Lateral Biases during a tool raking task.
25. James Roe      Functional asymmetries of memory retrieval: Are two hemispheres better than one in neurocognitive aging?