Research IT: RSE and Apps Support

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Research IT Club, 13th February 2019

RSE noticeboard

More RSEs!

- We have recently recruited more RSEs
  - January 2019
    - Peter Crowther
    - Kamilla Kopec-Harding
    - Douglas Lowe
    - James Sinnott
  - March 2019
    - Ian Cottam
    - Adrian Harwood
  - May 2019
    - Patricia Barnby
    - Robin Long

- Biggest ever map of human Alzheimer's brain published
    - Dr. Richard Unwin – PI, FBMH
    - Phil Bradbury – RSE, Research IT

"The support we received from Research IT really did make a huge difference to this project and enables us to share more data in a more user-friendly format that we've previously been able to."
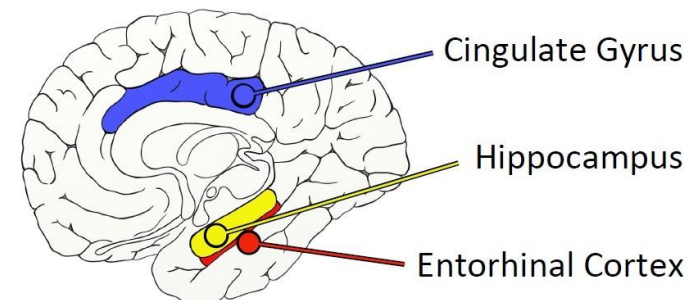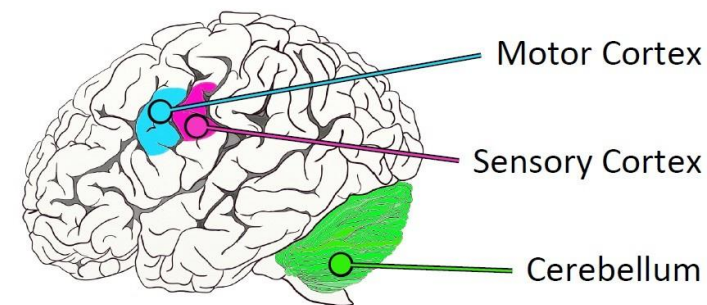
- Paper – Communications Biology:
    - https://www.nature.com/articles/s42003-018-0254-9
- Data:
    - http://www.dementia-proteomes-project.manchester.ac.uk
- More info:
    - https://researchitnews.org/2019/02/04/alzheimers-brain

Training and drop-in sessions

Training courses: 2019

- Introduction to Linux/UNIX shell   5 Jun
- Introduction to Python   26 Mar
- Programming in Python   5 Mar, 15 May
- Introduction to Data Visualization   TBC
- Introduction to HPC and using the CSF   20 Feb, 22 May
- Automation and Make   24 Apr
- LaTeX course (inc. UoM Thesis template)   26 Feb, 10 Apr
- Data Analysis with R   TBC
- Interactive data viz with R and Shiny ⭐   TBC
- Version control with Git and GitHub   19 Mar
- Introduction to MATLAB   8 May
- Introduction to Mathematica ⭐   TBC

- More information + online courses here: http://bit.ly/2w6TfC0

Training course: Special

- Fortran Modernisation Workshop, 4-5 April 2019
- Topics that will be covered include:
  - Modern Fortran standards (including 2018);
  - NetCDF and HDF5 scientific file formats for data sharing in Fortran;
  - GNU make to automate the build process;
  - pFUnit unit testing framework for testing Fortran codes;
  - In-situ visualization using PLplot in Fortran;
  - Fortran interoperability with C, Python and R;
  - Introduction to parallelism for Fortran.
- Instructors from NAG; free for all attendees
- Register: https://www.nag.co.uk/content/fortran-modernization-workshop-information-registration-0

Drop in sessions

- Every two weeks around campus
- No appointment necessary
- Anything Research IT related
- If we can't solve your problem right away, we'll get back to you
- Come and see us (1400-1500):
    - 27th Feb – Kilburn Building, Byte Café
    - 13th Mar – Renold Building, Concourse
    - 27th Mar – Alan Turing, Ground Floor
    - 1st May – Schuster Building Annexe
- See the blog/newsletter for other dates as they are announced

How to contact us

- Website:
  - http://www.itservices.manchester.ac.uk/research/

- IT Services Support Centre:
  - https://supportcentre.manchester.ac.uk

- Twitter:
  - @UoM_eResearch

- Blog:
  - https://researchitnews.org/
  - Sign up to our newsletter here