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| **Edinburgh Imaging's Newsletter - March 2015**.Providing news articles, links to published papers, dates of imaging events, online courses and funding/job opportunities.  |

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| **In the News****1. Profs Ian Deary (CHSS) and Joanna Wardlaw (NiS) show that** [smoking thins a vital part of the brain](http://www.nature.com/mp/journal/vaop/ncurrent/full/mp2014187a.html)**2. Join Dementia Research (JDR)** [Launched](http://www.joindementiaresearch.nihr.ac.uk)**3. Lothian Stroke Imaging** has been shortlisted in the Imaging Team category of [The BMJ Awards 2015](http://thebmjawards.bmj.com/home)**4. School of Biomedical Sciences** is to investigate how lifestyle [factors impact blood flow in the brain](http://www.healthsciencesscotland.co.uk/news.php?id=752)**5. Dr Martin Taylor of the IGMM** sheds light on how naturally occurring [mutations can be introduced](http://www.news-medical.net/news/20150131/New-insight-on-how-naturally-occurring-mutations-can-be-introduced-into-DNA.aspx) **into DNA.6. Kidney images** reveal the secrets of **how** [organ develops](http://bbsrc.ac.uk/news/health/2015/150204-pr-kidney-images-reveal-the-secrets.aspx).7. **Scotland has high ambitions for its life sciences -** [Britain's secret science powerhouse](http://www.telegraph.co.uk/finance/newsbysector/pharmaceuticalsandchemicals/11441125/Britains-secret-science-powerhouse.html)**Published**1. [**Measurement of myocardial blood flow by cardiovascular magnetic resonance perfusion**](http://www.jcmr-online.com/content/17/1/17): comparison of distributed parameter and Fermi models with single and dual bolus.2. [Abstract T P234](http://stroke.ahajournals.org/content/46/Suppl_1/ATP234.short)**: Multiparametric Assessment of Longitudinal Changes in Tissue Microstructure** in Normal and Abnormal Brain Tissue in Patients with Small Vessel Disease.[3. Abstract 179](http://stroke.ahajournals.org/content/46/Suppl_1/A179.short)**: International Survey of Clinical Case Vignettes in Acute Ischemic Stroke4.** [Abstract T P408:](http://stroke.ahajournals.org/content/46/Suppl_1/ATP408.short) Suboptimal Quality of Reporting of Neuroimaging Methods for Studies **of Cerebral Small Vessel Disease5. Use of 18F-fluorodeoxyglucose-positron emission tomography** [(18F-FDG-PET) scans](http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4318607/) **6. Live Imaging of Innate Immune and Preneoplastic Cell** Interactions Using an Inducible Gal4/UAS Expression System in [Larval Zebrafish Skin](http://www.jove.com/video/52107/live-imaging-innate-immune-preneoplastic-cell-interactions-using-an)**7. White matter integrity** and its association with affective and [interpersonal symptoms in borderline](http://www.sciencedirect.com/science/article/pii/S2213158215000170) **personality disorder.8. Cigarette smoking and thinning of** [the brain’s cortex](http://www.nature.com/mp/journal/vaop/ncurrent/full/mp2014187a.html)**9. Gliovascular disruption and cognitive deficits in a** [mouse model with features of small vessel disease](http://www.nature.com/jcbfm/journal/vaop/ncurrent/full/jcbfm201512a.html#close) **10. Magnetic Resonance Imaging in Experimental** [Stroke and Comparison With Histology](http://stroke.ahajournals.org/content/early/2015/02/05/STROKEAHA.114.007560.abstract)11. **Rapid Formation of a** [Supramolecular Polypeptide–DNA Hydrogel](http://onlinelibrary.wiley.com/doi/10.1002/anie.201411383/full) **for In Situ Three-Dimensional Multilayer Bioprinting12.** [Multispectral phloem-mobile probes](http://www.plantphysiol.org/content/early/2015/02/04/pp.114.255414.short) **- properties and applications13. Multi-Ethnic Genome-Wide Association Study** of Cerebral [White Matter Hyperintensities on MRI](http://circgenetics.ahajournals.org/content/early/2015/02/07/CIRCGENETICS.114.000858.abstract)**14. Patient-specific biomechanical model** as [whole-body CT image registration tool](http://www.sciencedirect.com/science/article/pii/S1361841515000158)**15. Well done to Dr Tom Macgillivary and Dr Cyril Pernet,** who have 3 papers now listed on the UK N[euroinformatics community](http://tinyurl.com/uk-incf-papers) website.**Events****1. 3rd March - EID -** David Denning, Professor of Infectious Diseases and Global Health at the University of Manchester, will be giving [2 seminars in Edinburgh](http://www.eid.ed.ac.uk) **1b. 4th March -**[Edinburgh](http://www.edinburghneuroscience.ed.ac.uk/neuroscienceday/2015/%22%20%5Ct%20%22_blank) [**Neuroscience Day**](http://www.edinburghneuroscience.ed.ac.uk/neuroscienceday/2015/) **2. 5th March -** Imaging of angiogenesis, fibrosis and calcification in cardiovascular disease, 12 noon, QMRI. Contact Lynne Meikle.3.  **6th March -** NHS Lothian R&D Conference, Carrington Room, WGH4. **20th March** - Imaging Sciences Seminar, QMRI - contact: Anne Grant**5. 23rd March 2015 -** Launch of new micro-PET/CT facility**,** QMRI, 1 - 3pm. Contact: Irene Craig6. **12th - 15th April 2015** - [BNA Festival of Neuroscience](http://www.bna2015.org/), Edinburgh7. **15-17 April 2015 -** [BioDynamics 2015, Edinburgh](http://www.bio-dynamics.org)- a multidisciplinary meeting for mathematicians, biologists, clinicians, physicists and computer scientists8. **17th - 19th April 2015** - [1st European Stroke Organisation Conference](http://eso.kenes.com/scientific-programme/scientific-programme#.VMoPUZ1FDDC) (ESOC 2015), Glasgow8b. **12th June** - **7th** [SINAPSE Annual Scientific Meeting](http://www.abdn.ac.uk/ims/research/abic/sinapse-asm-2015-1420.php)**, Aberdeen**9.  **23 June** - Live-Cell Imaging - 3 day workshop, [University of East Anglia](http://www.physoc.org/live-cell-imaging-23-25-june-2015)**10. 29th Sept - 1st October** - 7th [International Workshop for Pulmonary Functional Imaging](http://bit.ly/PulFunctImaging) (IWPFI), Edinburgh**11.** **1st -3rd October 2015** - [ESMRMB 2015 Congress](http://bit.ly/ESMRMB), Edinburgh  **Training - Workshops****1. 4th March 2015 -** [SICSA Careers Masterclass](https://www.eventbrite.com/e/masterclass-in-medical-imaging-and-sensing-in-computing-tickets-15191608510)**An introduction to medical imaging and sensing within computing, \*\*free\*\* day for PhD and MSc students, St Andrews. 2. 16th-19th April -** [ISBI Conference](http://biomedicalimaging.org/2015/)**, New York3. 20th- 22nd Apr 2015 -** [Image Analysis for Biologists](http://training.csx.cam.ac.uk/event/1372458)**, Cambridge3. Thursday 23rd April -** [Designing for 21st Century Learning](http://www.ed.ac.uk/is/elearning)**, Bristo Square4. 27th April - 1st May 2015 -** [SPM Training & Workshops](http://bit.ly/EdinSPM)**, Edinburgh5. 3rd - 7 August 2015 -** [ESRIC Super Resolution Microscopy Summer School](http://www.ed.ac.uk/schools-departments/clinical-sciences/edinburgh-imaging/news/esric-school)**, Edinburgh****Opportunities****1. EASTBIO Doctoral Partnership -** [10 week placement](http://www.eastscotbiodtp.ac.uk/we-fund-undergraduate-research-experience-placements) **for UG students.2. Medical Physics position at Nuclear Medicine** [at UCL](http://www.findapostdoc.com/search/job-details.aspx?jobcode=5947&paid=y)**3. PhD Studentship -** [The Roslin Institute](http://www.edneurophd.ed.ac.uk)**, Edinburgh4. Unique PhD Opportunity** [with OPTIMA](http://www.findaphd.com/search/PhDDetails.aspx?CAID=2605&LID=300)**5. Funding -  Knowledge Exchange Award -** [Research Councils UK](https://www.researchprofessional.com/funding/opportunity/1033777?__mhid=68777145)**6. PG Award - The** [Sir Richard Stapley Educational Trust](https://www.researchprofessional.com/funding/opportunity/1518096?__mhid=68564717) **invites applications for its postgraduate grants7. Funding -** [The Guarantors of Brain](https://www.researchprofessional.com/funding/opportunity/252418?__mhid=68564717) **invite applications for salary support for trainee neurologists in basic neuroscience8. Funding - Projects that improve the discovery of new human and veterinary medicines -** [Innovate UK](https://www.researchprofessional.com/funding/opportunity/1401502?__mhid=68564717)**9. Equipment Funding -** [Alzheimer’s Research UK](https://www.researchprofessional.com/funding/opportunity/256863?__mhid=68093197) **invites applications for its equipment grants Available Online:****1. Edinburgh Imaging Academy - online imaging short courses available via** [CPD](http://www.ed.ac.uk/schools-departments/clinical-sciences/edinburgh-imaging/teaching/cpd-short-courses/online-cpd-cme) **or** [PPD](http://www.ed.ac.uk/schools-departments/clinical-sciences/edinburgh-imaging/teaching/cpd-short-courses/ppd-imaging-courses)**. 2. UoE PhD students can access to online course material for** [£15 per 10 credit course](http://www.epay.ed.ac.uk/browse/extra_info.asp?compid=1&modid=1&deptid=75&catid=359&prodid=1591)**.3. MOOC on Data Analysis and Statistical Inference, starts March 2 with** [Coursera](https://www.coursera.org/course/statistics) |

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