

Anastomosis

Newsletter of the Anatomical Society of Great Britain and Ireland

Structure, Development, Evolution, Function. Bringing you information about activities and events involving the Society.

Editor Raj Ettarh | Deputy Editor Jean O'Connor

Published monthly. July 2010

Welcome to the July issue of Anastomosis. In this issue, we bring you the latest news from our members and keep you updated on upcoming deadlines. We also highlight some interesting news articles from the past month.

Research studentships

Applications are currently being sought from prospective supervisors for Research **Studentships** to commence in October 2011. Research Studentships may be held in departments of anatomical sciences in the UK and Ireland. The deadline for applications is Tuesday 12th October 2010. Details can be found at: www.anatsoc.org.uk/news/news_details.php?id=122

Meeting reports

Ms. Bui Kar Ip has just reported back from her ASGBI-sponsored attendance at the **7th FENS Forum of European Neuroscience** at Amsterdam in July. Techniques which use fluorescent molecules to guide tumour removal and cortical interneuron development in health and disease are just a flavour of the topics which were discussed at this international conference. Read Beca's full report on the society website: www.anatsoc.org.uk/news

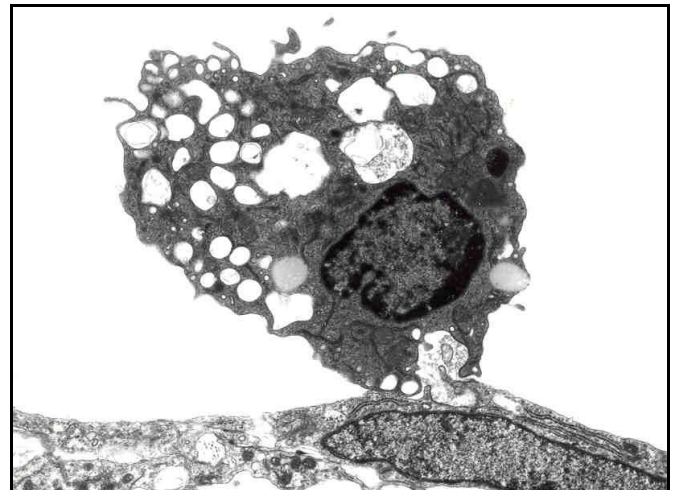
Journal of Anatomy

Selective breeding in the production of the modern broiler chicken has resulted in a dramatic increase in growth rate and noticeable changes in body conformation which have altered the walking ability of these birds, raising obvious welfare concerns. Heather Paxton and her colleagues discuss the pelvic musculoskeletal abnormalities in broiler chickens in the current issue of the society's **Journal of Anatomy**: www3.interscience.wiley.com/journal/123524761/abstract

Image of the month

July's Image of the Month comes from Professor Robin O'Sullivan of RCSI Bahrain. The image is an old transmission electron micrograph showing a macrophage in the act of imbibing some detritus "barfed out" from a root sheath cell of the 7th cervical ventral root of a rat. The photo was taken as part of Robin's PhD research which dealt with axonal changes in the root.

Please continue to send us any interesting **images** from your research or teaching in the anatomical sciences. Each month the most interesting image will be published in the Newsletter.



Short Courses

Hull York Medical School have four surgical anatomy courses on offer in September this year. Details can be found at: www.anatsoc.org.uk/news/news_details.php?id=124

A pdf version of this newsletter is attached to this message and will eventually be available on the Society website www.anatsoc.org.uk. All comments to the newsletter editor at: r.ettarh@ucd.ie or jean.oconnor@ucd.ie

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10,000 NHS patients 'to have genes mapped'

An NHS hospital has begun decoding all the genes of individual patients, 10 years after the first human genome sequence was published. London's Royal Brompton Hospital said the project would give doctors a better understanding of the inherited factors that help trigger heart disease. The research involves sequencing all 22,000 genes found in the human genome in 10,000 patients.

Read this article at: www.bbc.co.uk/news/10367883

Mens sana in corpore sano

Human intelligence is puzzling. It is higher, on average, in some places than in others. And it seems to have been rising in recent decades. Why these two things should be true is controversial. A group of researchers at the University of New Mexico propose that parasites and pathogens may explain why people in some parts of the world are cleverer than those in others.

Read the full story at: www.economist.com/node/16479286

Part of the brain that tracks limbs in space discovered

Scientists have discovered the part of the brain that tracks the position of our limbs as we move through space. When a mosquito lands on your hand, you can rapidly and effortlessly make a movement of the other hand to brush it away, even in darkness. But performing this seemingly simple action involves a surprisingly complex coordination of different types of sensory information in order for your brain to construct a constantly updated 'map' of the body in space. Scientists from University College London and Barcelona (Pompeu Fabra University, ICREA and University of Barcelona) have identified an area of the human brain called the parietal cortex that constructs this body model from the combination of tactile information from your skin (for example, where the mosquito is on your hand) with "proprioceptive" information about the position of your hand relative to your body.

Read this story in full at: www.bbsrc.ac.uk/media/releases/2010/100715-pr-brain-tracks-limbs-discovered.aspx

Send us your news!

If you have any news, events, announcements, comments or letters that you like to see published in the newsletter, send us an email.

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