

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

Deadlines

Mark your diary!

The **Summer meeting of the Society** will take place jointly with the British Association of Clinical Anatomists (BACA) at Brighton and Sussex Medical School from **19-21 July 2016**.

The **School of Anatomical Sciences, University of the Witwatersrand, Johannesburg** is hosting a Dissection Summer School, endorsed by the Anatomical Society of Southern Africa (ASSA), from **25-29 July 2016** in order to provide training in human anatomy undertaken on human cadavers. For more information, please contact Professor Maryna Steyn maryna.steyn@wits.ac.za.

People

Departmental Seminar Awards

Professor John Aplin will play host to **Dr. Kathy Niakan** (Francis Crick Institute, London) for a seminar "Mechanisms of lineage specification in human embryos and stem cells" at the Michael Smith Theatre, University of Manchester on **Friday 24 June 2016**.

Dr. Eiman Meguid will host **Dr. Cecilia Brasseff** (University of Cambridge) for a seminar "Augmented Anatomy: The wide-ranging benefits of a dissection-based anatomy course" at the North Lecture Theatre, Queen's University Belfast on **Monday 16 May 2016**.

Symington Awardee reports

Many thanks to **Mr. Ayoub Al-Bayti** for his report following participation in the 5th International Cognition and Cancer Taskforce Conference, 14-16 March 2016, Netherlands; and **Lyndsay Murray** for her report following attendance at Fight SMA conference in Alexandria, VA (US) 7-9 April 2016. Both were supported by Symington Awards. **Janet Philp** also reported on the Art and Anatomy library exhibition at the University of Edinburgh that was supported by a Department seminar series award.

The Royal Society of Biology has responded to Lord Stern's independent review of the Research Excellence Framework (REF). The Society's input towards the response document was coordinated by **Professor Colin Ockleford**. The full document is available at https://www.rsb.org.uk/images/pdf/FINAL_RSB_response_to_Stern_Review.pdf

Journal of Anatomy: 10% formaldehyde is a heart-loving concentration

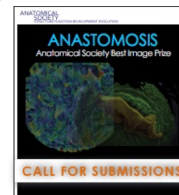
The fact that formaldehyde alters tissue appearance is well known but its effect on dimensions in certain tissues remains uninvestigated. At least until now. Mateusz Holda and colleagues at Jagiellonian University Medical College in Poland have reported on their examination of dimensions in cardiac tissue following fixation at different concentrations over time. You can read more about their recommendations for optimum fixative concentration and duration in their paper "Influence of different fixation protocols on the preservation and dimensions of cardiac tissue" in the early view issue of the Journal of Anatomy at <http://onlinelibrary.wiley.com/doi/10.1111/joa.12469/full>

Calendar

May

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

Best Image Prize Deadline May 31, 2016



The next deadline for the Society's Best Image Prize is 31 May 2016. The size limit for submitted images is 1.0MB.

May Table of Contents Journal of Anatomy



The electronic table of contents of the May issue of the Journal of Anatomy is available in this issue of the newsletter.

Royal Society Grants

Brian Mercer Feasibility Award for scientists who wish to commercialise an aspect of their research. No deadline.

Aging Cell: the keys to living as long as you wish

When it comes to aging, sea urchins make their own rules. At least, that is what Andrea Bodnar and James Coffman at Bermuda Institute of Ocean Sciences, St. George's, Bermuda and MDI Biological Laboratory, Salisbury Cove, ME, USA found when they decided to investigate. It turns out that the keys to variable longevity and negligible senescence appear to include low cell turnover, telomere maintenance and cell multipotency. You can read more about their paper "Maintenance of somatic tissue regeneration with age in short- and long-lived species of sea urchins" in the early view issue of Aging Cell at <http://onlinelibrary.wiley.com/doi/10.1111/ace.12487/full>

Research

Anatomical Society Research Studentships 2016-17

The Anatomical Society offers a limited number of Research Studentships to be held in departments of anatomical sciences in the UK and Ireland. Applications are currently being invited from prospective supervisors for Research Studentships to commence in October 2017. Closing date: Friday 26th August 2016. Details at <http://www.anat-soc.org.uk/Awards/GrantsandPrizes/AnatomicalSocietyResearchStudentships.aspx>

Graduate Center

Support for Student Societies

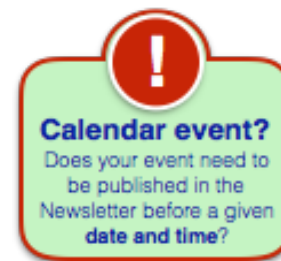
The Society provides up to 6 competitive awards to support Student Surgical Societies and Other Student Societies. Applications for maximum funding of £200 are considered on a rolling basis (1 October to 30 September). More details at www.anatsoc.org.uk

Opportunities

Job Vacancies

Applications are invited for a **Lecturer in Anatomy (Biomedical Sciences Section)** at **University College Dublin School of Medicine**. The successful applicant will develop and maintain a competitive programme of research activity and a strong, innovative teaching portfolio in Anatomy. Closing date: **30 April 2016**.

Queen Mary University of London - School of Biological & Chemical Sciences have a vacancy for a **Lecturer in Neurobiology and Anatomy** to contribute to the teaching of Cell Biology, and Neurobiology & Anatomy in an exciting new initiative, a joint programme in Biomedical Sciences with Nanchang University (NCU), China. Closing date: **6 May 2016**.



Items should reach the editors a minimum of 30 days before the date that the event is scheduled to take place.



Become a member of the **Anatomical Society** today

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

Journal of Anatomy

Volume 228, Issue 5, Pages 719–888, May 2016

Original Articles

- 719 Three-dimensional reconstruction of Haversian systems in human cortical bone using synchrotron radiation-based micro-CT: morphology and quantification of branching and transverse connections across age
I.S. Maggiano, C.M. Maggiano, J.G. Clement, C.D.L. Thomas, Y. Carter and D.M.L. Cooper
- 733 Spatial variation in osteon population density at the human femoral midshaft: histomorphometric adaptations to habitual load environment
T.P. Gocha and A.M. Agnew
- 746 Global deletion of *Panx3* produces multiple phenotypic effects in mouse humeri and femora
D. Caskenette, S. Penuela, V. Lee, K. Barr, F. Beier, D.W. Laird and K.E. Willmore
- 757 Musculoskeletal architecture of the prey capture apparatus in salamandrid newts with multiphasic lifestyle: does anatomy change during the seasonal habitat switches?
E. Heiss, S. Handschuh, P. Aerts and S. Van Wassenbergh
- 771 Adapted physical exercise enhances activation and differentiation potential of satellite cells in the skeletal muscle of old mice
B. Cisterna, M. Giagnacovo, M. Costanzo, P. Fattoretti, C. Zancanaro, C. Pellicciari and M. Malatesta
- 784 Diaphragm degeneration and cardiac structure in *mdx* mouse: potential clinical implications for Duchenne muscular dystrophy
I.C.C. Barbin, J.A. Pereira, M.B. Rovere, D. de Oliveira Moreira, M.J. Marques and H.S. Neto
- 792 Deletion of collapsin response mediator protein 4 results in abnormal layer thickness and elongation of mitral cell apical dendrites in the neonatal olfactory bulb
A. Tsutiya, H. Watanabe, Y. Nakano, M. Nishihara, Y. Goshima and R. Ohtani-Kaneko
- 805 Histological verification of the prehypogastric and ovarian ganglia confirms a bilaterally symmetrical organization of the ganglia comprising the aortic plexus in female human cadavers
T.S. Beveridge, M. Johnson, N.E. Power and B.L. Allman
- 812 Hyperpolarization-activated cation and T-type calcium ion channel expression in porcine and human renal pacemaker tissues
R. Hurtado and C.S. Smith
- 826 Changes in dermal matrix in the absence of Rac1 in keratinocytes
A. Stanley, E. Pedersen, C. Brakebusch and F. Quondamatteo
- 838 The evolution of the meatal chamber in crocodyliforms
F.C. Montefeltro, D.V. Andrade and H.C.E. Larsson
- 864 Anatomy, morphology and evolution of the patella in squamate lizards and tuatara (*Sphenodon punctatus*)
S. Regnault, M.E.H. Jones, A.A. Pitsillides and J.R. Hutchinson

Review Article

- 877 Comparative anatomy of the extraocular muscles in four Myliobatoidei rays (Batoidea, Myliobatiformes)
C.M. Cunha, L.E. Oliveira and J.R. Kfoury Jr

Book Review

- 887 Histological and Histochemical Methods, Theory and Practice, 5th Ed
E. Szunyogova and S.H. Parson

888 Announcement

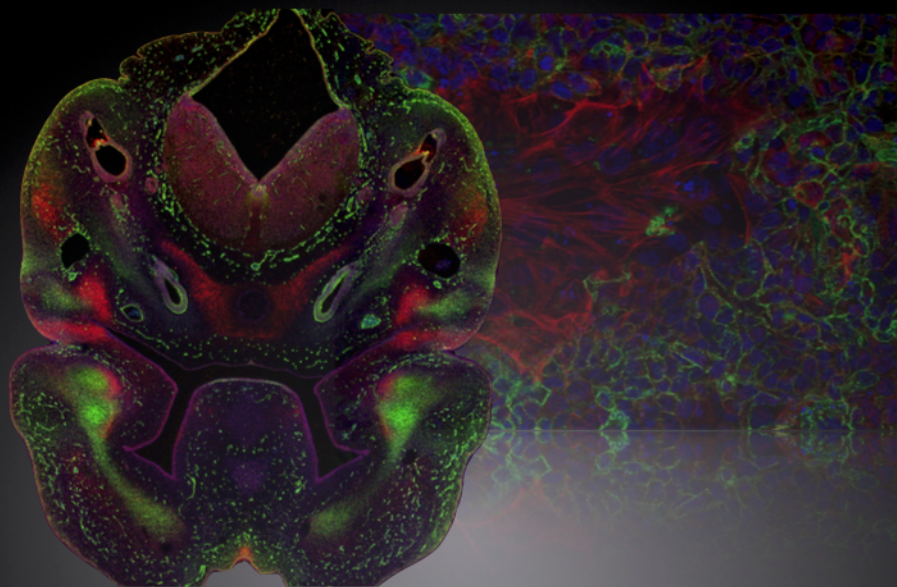
Information on this journal can be accessed at: <http://www.journalofanatomy.com>

Cover illustration taken from I. Maggiano et al., 'Three-dimensional reconstructions of Haversian systems in human cortical bone using synchrotron Micro-CT: morphology and quantification of branching and transverse connections across age.' *J.Anat.* (2016) 228:5, 719–732

ANASTOMOSIS

Anatomical Society Best Image Prize

Open to Anatomical Society members, entries are adjudicated by the Website Committee and the £200 prize is awarded twice a year. Submit entries at www.anatsoc.org.uk



Images should be a single colorful graphical image minimum 75 dpi and a maximum size of 1.0MB for use on Society website/newsletter. Consent from people appearing in any photos is required. A title (no more than 3 words) and short 50-word narrative should accompany the image (for example: what it is; how it was produced; why it is special). An applicant may submit not more than 3 images for any one competition. Applicants submitting images must either own the copyright to the image or have gained the explicit permission of the copyright holder for the image to be submitted for this competition. A copyright statement must accompany each application. Images on this poster: Susan Chapman, Stephane Berneau

CALL FOR SUBMISSIONS

Next deadline May 31