

Welcome to the December 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.

Deadlines

Mark your diary!

The winter meeting of the Anatomical Society was held at the **University of Birmingham** on **December 15-16, 2014**. The main theme of the meeting was "Ecomorphology", organized by Dr. Susannah Thorpe. The meeting, which was organized in conjunction with the Primate Society of Great Britain, featured open sessions and Young Investigator Prize Oral Communications as well as posters and a social programme.

People

Society Awards

Congratulations to the following members who have received awards from the Society. Ricardo Miguel Godinho, Ross Jones, Dean Malik, Kar Lai Pang, and Matthew Parnall received **Barclay-Smith Travelling Awards** to support their participation at the Winter Meeting of the Society in Birmingham from 15-16 December 2014.

Larissa Nelson, Andrew McIntosh, and Tarimbo Michael Ootobo received **Symington Bequest Awards** to support their participation at the 2015 Experimental Biology Meeting in Boston, USA from 28 March-1 April 2015.

Katie Hoban and Eddie Kane were successful in securing a **Student Societies Award** from the Society to support the Edinburgh University Neurological Society National Conference on 7th February 2015.

Best Image Prize

Congratulations to **James Turbett** who has won the Society Best Image Prize with an entry entitled Gecko "Chromocranium". Congratulations also to runner-up Professor Luc Bidaut.

Awardee Reports

Many thanks to Professor Andrew Pitsillides, Bethany Charlton, for their outcomes report following the successful completion of their summer vacation project that was funded by the Society. You can read their report at <http://www.anatsoc.org.uk/Awards/>

Society members win big in competitions

Congratulations to Society-funded PhD Student **Lemonia Chatzeli** who won the Mammalian Genome Prize for best oral presentation at the Mammalian Genetics and Development Workshop (ICH, London 2014). Lemonia previously was runner-up in the Society image prize competition in May 2014. Congratulations also to Society member **Dr. Mohammed Hajhosseini** who was a category winner in the researcher category in the BBSRC Images with Impact competition with his ribs and muscles entry. Images were displayed at the Great British Biosciences Festival in Bethnal Green on November 14-16 and voted on by members of the public. News of his success in the competition was also reported in the Eastern Daily Press on 25 November 2014.

Anatomical Society Research Studentships 2015

Congratulations to the following who have been awarded research studentships to begin October 2015: Dr. Mohammad Hajhosseini, Dr. Siobhan Loughna, Professor Stefan Przyborski, Dr. Tanya Whitfield. Project resumes providing more information about these projects are available at <http://www.anatsoc.org.uk/Research/NewStudentships.aspx>.

Gray's Anatomy Art Contest

Submissions are being invited for original artwork for the Gray's Anatomy Art Contest that offer clear, striking, novel or innovative views of anatomy relevant to modern clinical practice for a Grand Prize of \$1000. Submissions will be accepted until 27 February 2015.

Calendar

January

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

15-16 Dec 2014 – Birmingham. Winter Meeting of Anatomical Society at University of Birmingham

Best Image Prize Winners

James Turbett Gecko
"Chromocranium"

Luc Bidaut "The Mummy Returns"

The next deadline for the Society's Best Image Prize is 31 May 2015. The size limit for submitted images has increased to 1.0MB.

Gray's Anatomy Art Contest

Submit clear, striking, novel or innovative artwork relevant to clinical practice for the contest. Deadline: 27 Feb 2015

Barclay-Smith Travelling Awards (R1)

Ricardo Miguel Godinho
Ross Jones
Dean Malik
Kar Lai Pang
Matthew Parnall

Symington Bequest Awards (R1)

Larissa Nelson
Andrew McIntosh
Tarimbo Michael Ootobo

Professor Ronan O'Rahilly: 70 years in the Anatomical Society!

The Anatomical Society would like to congratulate one of its longest standing members Professor Ronan O'Rahilly who joined the Society in 1944 and has been an active member for 70 years! A native of Cork, Prof. O'Rahilly is one of the most important and influential embryologists in science. A distinguished student, he was awarded the Charles Gold Medal in advanced Anatomy and Embryology in 1940. He started his career at University College Cork as a Senior Demonstrator in 1945, was a lecturer at Durham and Sheffield, and Professor in Detroit, St. Louis, and the Carnegie Institute in Baltimore, where he became the Director of the Carnegie Embryological Collection. At the Carnegie institution, Prof. O'Rahilly started his work on the definition of stages of human embryos that today remains one of the most important and fundamental contributions to Human Embryology. Although his work was mainly focused on the development of the human nervous system, Prof. O'Rahilly has given seminal contributions on every topic in Human Embryology. At the beginning of the 70s, Prof. O'Rahilly moved with the Carnegie Collection to the University of California, Davis where he was Professor of Anatomy until 1990. After retirement, he returned to Europe and moved to Switzerland where he continued his work on embryology publishing fundamental original publications, including the famous book "Human Embryology and Teratology". A substantial part of his work was done in collaboration with Fabiola Müller and together they produced over 60 publications listed in Pubmed, most recently in 2013. Congratulations again Prof. O'Rahilly for your great and outstanding contribution to Human Development and to the Society.

By F. Quondametteo & W. Götz, adapted from *Die Frühphase der Entwicklung des Menschen* (2003), ISBN 3-7278-1416-0. pp 9-21

National Undergraduate Neuroanatomy Competition

Registration for the 2015 National Undergraduate Neuroanatomy Competition has opened. The event, which consists of paper-based and practical examinations, will be held on March 28 2015 and will feature a guest lecture from past Society President Professor Susan Standring. Details are available at www.natneurocomp.co.uk

Research**Journal of Anatomy: sizing seminiferous tubules with Rho**

Despite their involvement in control of actin cytoskeleton dynamics, proliferation and survival, expression of Rho proteins in the testis is present in Leydig cells and excurrent ducts but absent in seminiferous tubules. Yet, abolition of expression of Rho leads to smaller dimensions for the lumen and wall thickness of seminiferous tubules. You can read more about the fascinating results of this study "Analysis of RhoE expression in the testis, epididymis and ductus deferens, and the effects of its deficiency in mice" by Olga Gómez and colleagues at Universidad CEU Cardenal Herrera, Spain in the December issue of the Journal of Anatomy at

<http://onlinelibrary.wiley.com/doi/10.1111/joa.12241/full>.

Aging Cell: to grow or not to grow

Growth hormone extends lifespan, but interacts with metabolism of the amino acid methionine. Take away growth hormone and the metabolic relevance of methionine is diminished. How this interaction affects growth and lifespan is reported in the study "Growth hormone signaling is necessary for lifespan extension by dietary methionine" by Holly Brown-Borg and colleagues from universities in the US and Thailand in the December issue of Aging Cell at <http://onlinelibrary.wiley.com/doi/10.1111/ace.12269/full>

Royal Society Funding Opportunities

Brian Mercer Feasibility Award for scientists who wish to investigate the feasibility of commercialising an aspect of their research is currently open.



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

Graduate Center

New Support for Student Societies

The Society has created a new series of awards for supporting Student Societies. Applications for funding from Student Surgical Societies and Other Student Societies for up to 6 awards per funding cycle (1 October to 30 September) will be considered by the Society. Each award will be for a maximum of £200. More details at www.anatsoc.org.uk

Vacancies

Job Vacancies

The **School of Life Sciences**, at **University of Glasgow** invites applications for a **Senior Lecturer or Senior University Teacher: Neuroscience and/or Anatomy** to help deliver curricular design and teaching for degree programmes in Neuroscience and/or Anatomy at undergraduate and postgraduate levels, and engage in research and scholarship. Closing date: **11 January 2015**

Applications are invited for a position as **Teaching Fellow** in oral biology at **Newcastle University - School of Dental Sciences**. The successful applicant is expected to have a sound knowledge of anatomy, oral anatomy, oral histology and orofacial development. Closing date: **2 January 2015**

Applications are invited from medical graduates for a **Lecturer/Senior Lecturer - Anatomy (Veterinary or Comparative Anatomist)** to teach gross anatomy, embryology and histology to undergraduate and postgraduate students in veterinary, biomedical and general sciences at the **James Cook University** in Australia. Closing date: **30 January 2015**.

Journal of Anatomy

Volume 226, Issue 1, Pages 1–112, January 2015

Original Articles

- 1 Extreme variation in the atrial septation of caecilians (Amphibia: Gymnophiona)
D.M. de Bakker, M. Wilkinson and B. Jensen
- 13 Node retraction during patterning of the urinary collecting duct system
N.O. Lindström, C.-H. Chang, M.T. Valerius, P. Hohenstein and J.A. Davies
- 22 Anatomical evidence for low frequency sensitivity in an archaeocete whale: comparison of the inner ear of *Zygorhiza kochii* with that of crown Mysticeti
E.G. Ekdale and R.A. Racicot
- 40 Effect of β -hydroxy- β -methylbutyrate in masticatory muscles of rats
L.R. Daré, D.V. Dias, G.M. Rosa Junior, C.R.S. Bueno, R.L. Buchaim, A.D.C. Rodrigues and J.C. Andreo
- 47 The course and the anatomo-functional relationships of the optic radiation: a combined study with 'post mortem' dissections and 'in vivo' direct electrical mapping
S. Sarubbo, A. De Benedictis, P. Milani, B. Paradiso, M. Barbareschi, U. Rozzanigo, E. Colarusso, V. Tugnoli, M. Farneti, E. Granieri, H. Duffau and F. Chioffi
- 60 An investigation of matching symmetry in the human pinnae with possible implications for 3D ear recognition and sound localization
P. Claes, J. Reijniers, M.D. Shriver, J. Snyders, P. Suetens, J. Nielandt, G. De Tré and D. Vandermeulen
- 73 Estimation of skull table thickness with clinical CT and validation with microCT
E.M. Lillie, J.E. Urban, A.A. Weaver, A.K. Powers and J.D. Stitzel
- 81 Anatomy of nasal complex in the southern right whale, *Eubalaena australis* (Cetacea, Mysticeti)
M.R. Buono, M.S. Fernández, R.E. Fordyce and J.S. Reidenberg
- 93 Anatomy of the nerves and ganglia of the aortic plexus in males
T.S. Beveridge, M. Johnson, A. Power, N.E. Power and B.L. Allman
- 104 The peroneocuboid joint: morphogenesis and anatomical study
V. Guimerá, A. Lafuente, L. Zambrana, M. Rodriguez-Niedenführ, J.R. Sañudo and T. Vazquez

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

Cover illustration: Head and tail of a fully grown caecilian, *Rhinatrema bivittatum*. Caecilians are very elongate and limbless amphibians and in this issue of *Journal of Anatomy*, de Bakker and colleagues describe septation of the atria of the heart of caecilians and find it to be more varied than in any other vertebrate order. See de Bakker DM *et al.*, 'Extreme variation in the atrial septation of caecilians (Amphibia: Gymnophiona)' (2015) 226, 1–12.

May
31

Next
deadline

CALL FOR SUBMISSIONS

ANASTOMOSIS

Anatomical Society Best Image Award

Name of Award:

Anatomical Society Best Image Award

Applicants: Anatomical Society Members

Awarded: Twice a year

Judging Panel: Website Committee

Amount Awarded: £200 twice a year

Deadline dates for next 2 prizes:

31 May 2015, 31 October 2015

Submit at www.anatsoc.org.uk

Images: Should be colorful graphical images 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 short 50-word narrative should accompany the image (for example: what it is; how it was produced; why it is special).

Number of images: Any applicant may submit more than one image.

Copyright: 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:

James Turbett, Luc Bidaut