

DUNDEE 2017

**SOLVING CLINICAL PROBLEMS
WITH ANATOMICAL SOLUTIONS**

18TH-20TH DECEMBER



PROGRAMME

Monday 18th December

WILEY

10:00-13:00

Arrival and registration

*Venue: Dalhousie Foyer, 75 Old Hawkhill,
DD1 5EN*

12:00-13:00

Master Class - How to get your manuscript published

Editor-in-Chief, *Journal of Anatomy* –
Thomas Gillingwater (University of Edinburgh)
Editorial Board, *Journal of Anatomy* –
Gavin Clowry (Newcastle University),
Stefan Przyborski (Durham University),
Abigail Tucker (King's College London)
Venue: Dalhousie 2G13

13:00-13:30

Welcome and opening of conference

Iain Stewart
Dean of the School of Science and Engineering
Tracey Wilkinson
Venue: Dalhousie LT4, Ground Floor

13:30-15:30

Session 1 – Translational Anatomy

Venue: Dalhousie LT4, Ground Floor

Chair: Fabio Quondamatteo (University of Glasgow)

13:30-14:00

Peter Bodkin (University of Aberdeen)

Our journey to the cave - adventures by balloon
(Invited speaker)

14:00-14:15

Olivia Kenyon (University of Cambridge)

Neck extension and tracheal exposure in relation to open tracheostomy

14:15-14:30

Fraser Peck (East of Scotland Deanery)

Utilisation of suture material in the production of dynamic prosections in the Thiel embalmed human cadaver

14:30-14:45

Amanda Choo / Eunice Wong (University of Cambridge)

Anatomical investigation of the ileocaecal junction in cadaveric specimens

14:45-15:00

Mohamed Elajnaf (University of Edinburgh)
*Variations of the circumflex humeral arteries:
human cadaveric study*

15:00-15:15

Oluwatosin Ogedengbe (University of Kwazulu-Natal)
*Does virgin coconut oil mitigate
testicular injuries following alcohol use in highly
active antiretroviral therapy?*

15:15-15:30

Walid El Kininy (Trinity College Dublin)
*3-dimensional tractography of the extracranial
facial nerve course using diffusion weighted MRI
imaging*

15:30-16:00

Tea/Coffee Break. Opportunity to visit sponsors
Venue: Dalhousie Foyer



Anatomage

16:00-17:45

Session 2 – Development

Venue: Dalhousie LT4, Ground Floor

Chair: Adam Taylor (Lancaster University)

16:00-16:30

Susan Lindsay (Newcastle University)

*Human embryology: why should we study it,
new approaches and re-emerging importance of
anatomical knowledge*

(Invited speaker)

16:30-16:45

Matthew Harvey (King's College London)

*Investigating the formation of the main excretory
ducts of the submandibular and sublingual
salivary glands in the mouse*

16:45-17:00

Daive Baldera (University of Sheffield)

*Morphogenesis of the lateral semicircular canal
in the zebrafish inner ear*

17:00-17:15

Samantha Goodchild (University of Dundee)

Understanding the trabecular architecture within developing human lumbar vertebrae

17:15-17:45

Hiroshi Nagashima (Niigata University)

Developmental origin of the chicken clavicle and its implications for the evolution of the neck and the paired appendages in vertebrates
(Journal of Anatomy Best Paper Prize)

18:00-19:30

Professor Dame Sue Black (University of Dundee)

Like the back of your hand

(Anatomy Society Medal Prize Lecture)

Venue: Dalhousie LT3, 1st floor

19:45

POSTGRADUATE STUDENT EVENT

Meet in Dalhousie Foyer, then on to:
Mayfly, 144 Perth Road, DD1 4JY

Tuesday 19 December

08:30-10:15

Session 3 – Molecular / translational anatomy

Venue: Dalhousie LT4, Ground Floor

Chair: Simon Parson (University of Aberdeen)

08:30-09:00

David Hughes (University of Glasgow)

Understanding the anatomical basis of tactile allodynia

(Invited speaker)

09:00-09:15

Isabelle Poulson (University of Liverpool)

Developing tools for the manipulation of BMP signalling during late cerebellum development

09:15-09:30

Hannah Felstead (University of East Anglia)

Fibroblast growth factor 10 (FGF10) expressing cells generate new neurons and glial cells in the postnatal mouse cerebral cortex



Wolters Kluwer

09:30-09:45

Chrysostomos Perdios (University of Nottingham)

Haemodynamic alteration in the chick causes aberrant TCF21 expression and coronary vascularization

09:45-10:15

Graeme McLeod (University of Dundee)

The benefits of the Thiel cadaver for testing and training in regional anaesthesia
(Invited speaker)

10:15-10:45

Tea/Coffee Break. Opportunity to visit sponsors

Venue: Dalhousie Foyer

10:45-12:15

Session 4 – Education

Venue: Dalhousie LT4, Ground Floor

Chair: Clare Lamb (University of Dundee)

10:45-11:15

Michaelina Macluskey (University of Dundee)

Integrating anatomy into the clinical dental undergraduate curriculum
(Invited speaker)

11:15-11:30

Matthew Myers (University of Southampton)
Peer assisted formative assessment in neuroanatomy. An innovative approach for providing timely feedback on learning performance

11:30-11:45

Ahmed Elmansouri (University of Southampton)
Using Quick Response codes to combine online digital media with traditional anatomy teaching methods

11:45-12:00

Daisy Ryan (University of Bristol)
Tutor perception of student engagement regarding task-based learning in medical anatomy

12:00-12:15

Oluwaseyi Oyerinde (University of Dundee)
Study of variations in profunda femoris artery and its circumflex femoral branches in Thiel embalmed cadavers

12:15-14:00

Lunch. Opportunity to visit sponsors

Venue: Dalhousie Foyer

12:30-14:00

ANATOMICAL SOCIETY ANNUAL GENERAL MEETING

Venue: Dalhousie LT4, Ground Floor

14:00-15:45

Session 5 – Translational Anatomy

Venue: Dalhousie LT4, Ground Floor

Chair: Abigail Tucker (King's College, London)

14:00-14:30

Professor Sir Alfred Cuschieri (University of Dundee)

In search of an impossible dream

(Invited speaker)

14:30-14:45

Nicholas Chilvers (University of Cambridge)

Predicting optimal central venous catheter length from surface measurements in adult humans

Adam, Rouilly

- 14:45-15:00 **Pavithran Maniam** (University of Dundee)
Exploration of surgical anatomy and mastoidectomy using mixed reality (HoloLens) – a new surgical education tool for ENT trainees
- 15:00-15:15 **Ghazi Alanazi** (University of Edinburgh)
Blood supply and innervation of the prostate: improving clinical outcomes of radical prostatectomy
- 15:15-15:30 **Andy Sanderson** (University of Birmingham)
A high-density EMG investigation of changes in erector spinae activity during an endurance task
- 15:30-15:45 **Elena Roman** (Trinity College Dublin)
Advanced diffusion MRI tractography and the stria medullaris: awaking anatomical research into the dorsal diencephalic conduction system and neuropsychiatric disorders
- 15:45-16:15 **Tea/Coffee Break. Opportunity to visit sponsors**
Venue: Dalhousie Foyer

16:15-17:00

Session 6 – General

Venue: Dalhousie LT4, Ground Floor

Chair: Imelda McGonnell (RVC London)

16:15-16:45

Nathan Basisty (University of Washington)

Reverse antagonistic pleiotropy: the good and the bad of mitochondrial antioxidants

(Aging Cell Best Paper Prize)

16:45-17:00

Jessica Fitzpatrick (University College Dublin)

Understanding evolution of dinosaurs with machine learning tools

17:00-18:30

Poster session

Venue: Dalhousie Foyer

19:00

RRS DISCOVERY - TOUR OF THE SHIP

Venue: Discovery Point, Discovery Quay, DD1 4XA

19:45

CONFERENCE DINNER AT APEX HOTEL

Venue: Apex Hotel, 1 West Victoria Dock Road, DD1 3JP

Wednesday 20 December

08:30-10:30

Session 7 – General

Venue: Dalhousie LT4, Ground Floor

Chair: Craig Cunningham (University of Dundee)

08:30-09:00

Graeme Houston (University of Dundee)

Thiel Cadaveric models for cardiovascular device design and training

(Invited speaker)

09:00-09:15

Amanda Hunter (University of Dundee)

Plastinating Thiel embalmed human cadaveric specimens - using alternative dehydration solvents to aid in the preservation of colour and flexibility

09:15-09:30

Milan Kapur (University of Cambridge)

Sexual dimorphism and ethnic variance: their impact on the reliability of the antilingula as a landmark in human mandibular surgery

- 09:30-09:45 **Stephen Maclean** (University of Edinburgh)
Constructive regression in the juvenile human ischium: a qualitative analysis
- 09:45-10:00 **Abdulaziz Alomiery** (University of Edinburgh)
Variation of the brachial artery: human cadaveric study
- 10:00-10:15 **Erli Sarilita** (University of Dundee)
Zygomaticus major origin site in relation to forensic craniofacial reconstruction: a Thiel embalmed cadaver dissection study
- 10:15-10:30 **Ourania-Thaleia Syminelaki** (University of Edinburgh)
Human cadaveric study of accessory head of flexor pollicis longus: Gantzer's muscle
- 10:30-11:00 **Tea/Coffee Break.**
Venue: Dalhousie Foyer



11:00-13:00

Session 8 – Education

Venue: Dalhousie LT4, Ground Floor

Chair: Tracey Wilkinson (University of Dundee)

11:00-12:00

Katherine Linehan (University of Sheffield)

Anatomy toolkit workshop

11:00-12:00

Optional tour of CAHID facilities

Please assemble in Dalhousie foyer

12:00-12:15

Rianne van Ladesteijn (University of Aberdeen)

Virtual 3D models of the human brain to enhance neuroanatomy teaching

12:15-12:30

Siobhan Connolly (University of Edinburgh)

Lessons learnt: adapting the Delphi process to create core syllabi for allied healthcare

12:30-13:00

Presentation of prizes and close of meeting

13:00-14:00

Optional tour of CAHID facilities

Please assemble in Dalhousie foyer

