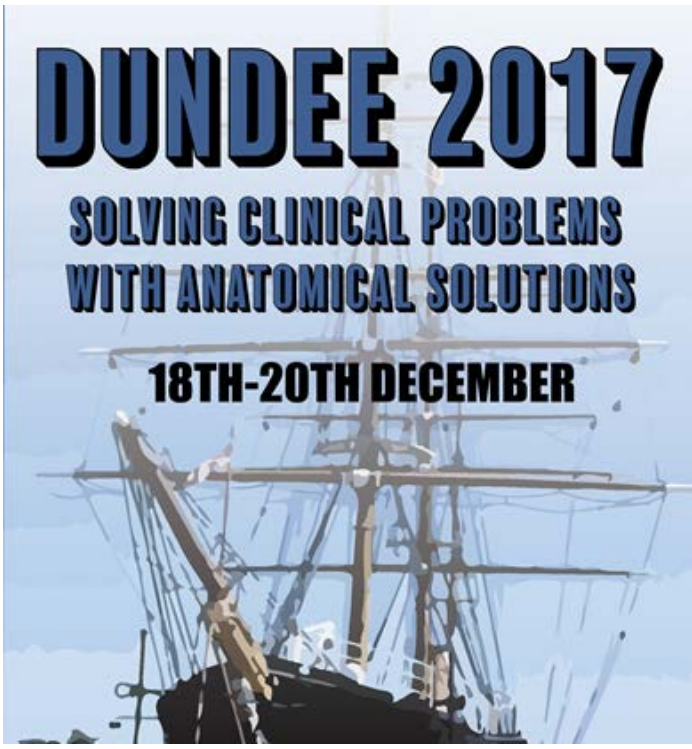


# **DUNDEE 2017**

**SOLVING CLINICAL PROBLEMS  
WITH ANATOMICAL SOLUTIONS**

**18TH-20TH DECEMBER**



## PROGRAMME

Monday 18<sup>th</sup> 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

