ANATOMICAL SOCIETY VIRTUAL MEETING
VISION AND VISUALISATION: 6th-8th January 2021
#anatsocwintervirtual

CONFERENCE PROGRAMME
DAY ONE: Wednesday 6th January 2021 (GMT)

SESSION 1: AUDITORIUM Live Webinar Chair: Iain KEENAN @dr_keenan
- 08:45 Conference Welcome

VISUALISATION SYMPOSIUM: ORAL PRESENTATIONS
- 09:00 Gabrielle FINN (University of Manchester, UK) @gabs_finn
  Visualising What Lies Beneath: The Role of Art in Anatomy Curricula
- 09:40 Caroline EROLIN (University of Dundee, UK) @CarolineErolin
  Interactive 3D Digital Models for Anatomy and Medical Education

SPONSOR ORAL PRESENTATION
- 10:20 Johan CARLEGRIM (Sectra Medical Education)
  Trends in Medical Education: Where Are We Heading?

BREAK (EXHIBIT HALL)
- 10:30 POSTERS AND EXHIBITORS

SESSION 2: AUDITORIUM Live Webinar Chair: Joanna MATTHAN @DocMatthan

VISUALISATION SYMPOSIUM: ORAL PRESENTATIONS
- 10:45 Iain KEENAN (Newcastle University, UK) @dr_keenan
  Brave New World: Adapting 3D Visualisation for Post-pandemic Curricula

YOUNG INVESTIGATORS: ANATOMY EDUCATION ORAL PRESENTATIONS
- 11:25 Abdullah BEN AWADH (Newcastle University, UK) @a_benawadh
  Supporting Medical Student Learning Through Integration of Remote Digital Embryology Resources
- 11:40 Tilly GIBSON-WATT (University of Edinburgh, UK) @Dr_JZP
  Can 3D Scanning Be Used to Produce a Virtual Skeleton for Teaching Online?
- 11:55 Ayaa ALI (Northumbria University, UK) @AyahGamil
  Effectiveness and Usability of an Anatomy E-learning Module Created Using Articulate Storyline 360

SPONSOR ORAL PRESENTATION
- 12:10 Marta BRAIDA (Anatomage) @Anatomage
  Anatomage Table: Interactive Anatomy and Physiology Learning Through Virtual Dissection

BREAK (EXHIBIT HALL)
- 12:20 POSTERS AND EXHIBITORS
SESSION 3: AUDITORIUM Live Webinar Chair: Gavin CLOWRY

JOURNAL OF ANATOMY BEST PAPER PRIZE: ORAL PRESENTATION

- 13:00 Petra KRAUS (Clarkson University, Potsdam, NY, USA)
  Potential Biomarkers and Phenotyping of Heterogeneous Bovine Intervertebral Disc Cells

SELECTED ABSTRACTS: ORAL PRESENTATIONS

- 13:40 Eloy GALVEZ-LOPEZ (University of York, UK)
  Mandible Shape Variation in Minks: Separating Two Highly Similar Species

- 13:55 Aishwarya Jayakumaran RAJESWARI (Christian Medical College, Vellore, India)
  Anatomical Considerations of Median Nerve Entrapment in the Proximal Forearm

- 14:10 Thomas O’MAHONEY (Anglia Ruskin University, UK) @bones2bytes
  Endostructural Growth of the Human Humerus

- 14:25 Ekrem SOLMAZ (Selcuk University, Turkey) @EkremSolmazMD
  Relationship Between Hand and Superficial Palmar Arch Morphometric Development

BREAK (EXHIBIT HALL)

- 14:40 POSTERS AND EXHIBITORS

SESSION 4: AUDITORIUM Live Webinar Chair: Evelyne SERNAGOR @esernagor1

YOUNG INVESTIGATORS: ORAL PRESENTATIONS

- 14:55 Fiona CRONIN (University of Limerick, Ireland) @FionaCronin2
  Investigating the Role of the Mesentery in the Innervation of the Gut and Enteric Nervous System

- 15:10 Evangelos PAPASTERGIOΣ (University College London, UK)
  The Role of Cell-Extracellular Matrix Adhesions in Mouse Neural Tube Closure

- 15:25 Suveer SACHDEVA (King’s College London, UK)
  The Role of Wnt Signalling in Maintaining Homeostasis of Murine Anterior Ocular Tissue

RETINAL DEVELOPMENT SYMPOSIUM: ORAL PRESENTATIONS

- 15:40 Robert HINDGES (King’s College London, UK) @RobertHindges
  Structural and Functional Development of Amacrine Cells Underlying Orientation Selectivity

- 16:20 Jeremy KAY (Duke University, USA)
  Glial Cell-Cell Interactions that Assemble the Mouse Retina

- 17:00 Rachel WONG (University of Washington, Seattle, USA)
  Assembly and Disassembly of Retinal Foveal Circuits

BREAK (EXHIBIT HALL)

- 17:40 POSTERS AND EXHIBITORS
SESSION 5: AUDITORIUM

FLASH TALKS: ANATOMY EDUCATION: Live Webinar Chair: Iain KEENAN @dr_keenan

- **19:00** Christopher RAMNANAN (University of Ottawa, Canada) @chrisramnanan
  *Converting Cadaveric-based Exams to Virtual Image-based Assessments During Covid-19*

- **19:07** Vivien SHAW (Bangor University, UK)
  *The Virtual Dissection Room: Live-streamed Demonstrations to Complement Recorded Lectures*

- **19:14** Ellen NELSON-ROWE (Cardiff University, UK) @ellennelsonrowe
  *Collaborating During Covid-19: Developing Online Near-peer Resources*

- **19:21** Leonard SHAPIRO (University of Cape Town, South Africa) @leonard_shapiro
  *Body Painting with Palpation: Observation Exercise for Improved Spatial Awareness*

- **19:28** Eva SWEENEY (Queen’s University Belfast, UK) @evamariesweeney
  *The Use of Google Jamboard, a Free Online Application, For Virtual Anatomy Practical Sessions*

- **19:35** Charlotte WRAY (University of Cambridge, UK)
  *Increasing Student Awareness of Human Anatomical Variations in a Dissection-based Course*

- **19:42** **BREAK (EXHIBIT HALL) POSTERS AND EXHIBITORS**

FLASH TALKS: ANATOMICAL SCIENCE: Live Webinar Chair: James NOTT @drjamespnott

- **20:00** Leyna BOUCHERIT (INSERM, Paris, France)
  *3D Visualisation of Human Photoreceptor Anatomy Using Expansion Microscopy*

- **20:07** Deidre CLISSMAN (University College Dublin, Ireland)
  *Shedding Light on Glaucoma: A New Model of the Optic Nerve Head*

- **20:14** Anna VERSCHUEREN (INSERM, Paris, France)
  *The Ageing Eye: 3D Immunohistochemistry Analysis of Retinal and Choroidal Anatomy*

- **20:21** Andrew LUNN (Bangor University, UK) @AndrewLunn16
  *Vertebral Artery Supply to the Brain and Relationship with Intelligence Across Taxonomic Classes*

- **20:28** Annie NORTHFIELD (Bangor University, UK)
  *The Palaeolithic Field Guide: Assessing Morphological Accuracy of Animals in Cave Paintings*

- **20:35** Thomas THEIL (University of Edinburgh, UK)
  *Joubert Gene INPP5E Acts as Negative Regulator of Sonic Hedgehog in Human Brain Organoids*

- **20:42** Thomas FRANCHI (University of Sheffield, UK)
  *The Morphological Features and Surgical Importance of the Tensor Vastus Intermedius*

- **20:49** Gareth DOBSON (Royal Victoria Infirmary, Newcastle upon Tyne, UK) @gmdobson
  *The Occipital Venous Sinus: Considerations for Posterior Fossa Surgery, a Radiological Study*
DAY TWO: Thursday 7th January 2021 (GMT)

SESSION 6: AUDITORIUM Live Webinar Chair: Evelyne SERNAGOR @esernagor1

AGING CELL BEST PAPER PRIZE: ORAL PRESENTATION

- 09:00 Daniel SIMPSON (University of Edinburgh, UK) @DanielJSimpson4
  Partial Reprogramming Induces a Steady Decline in Epigenetic Age Before Loss of Somatic Identity

RETINAL REPAIR SYMPOSIUM: ORAL PRESENTATIONS

- 09:40 Majlinda LAKO (Newcastle University, UK) @linda_lako
  Making Retinal Organoids: A Voyage of Discovery!

BREAK (EXHIBIT HALL)

- 10:20 POSTERS AND EXHIBITORS

SESSION 7: AUDITORIUM Live Webinar Chair: Evelyne SERNAGOR @esernagor1

RETINAL REPAIR SYMPOSIUM: ORAL PRESENTATIONS

- 10:35 Enrica STRETTOI (CNR, Pisa, Italy)
  Pathogenic Role of Inflammation in Retinitis Pigmentosa: Studies on Mouse Models

- 11:15 Silvia BISTI (Italian Institute of Technology, Italy)
  Saffron and Retinal Neuroprotection

SPONSOR PRESENTATION

- 11:55 Athanasios RAIKOS and Panagiota KORDALI (3D ORGANON) @DrRaikos @Giotakordali
  How to Deliver Anatomy Sessions with VR Technologies: Common Use Case Scenarios

BREAK (EXHIBIT HALL)

- 12:05 POSTERS AND EXHIBITORS

ANATOMICAL SOCIETY ANNUAL GENERAL MEETING

- 12:30 AGM: SEE EMAIL CORRESPONDENCE FOR JOINING INFORMATION (MEMBERS ONLY)

SESSION 8: AUDITORIUM Live Webinar Chair: Abigail TUCKER

SELECTED ABSTRACTS: ORAL PRESENTATIONS

- 13:45 Katherine HUGHES (University of Cambridge, UK) @katevetpath
  The Ovine Mammary Gland as a Non-traditional Model of Terminal Duct Lobar Development

- 14:00 Sarah Louise JEFFERY (Queen’s University Belfast, UK) @Sarah_Jeffery0
  Multi-Vessel Renal Transplantation

- 14:15 Louis LUKE (University of Cambridge, UK)
  Mapping the Location, Dimensions and Morphology of the Thyroid Isthmus: 3-Year Cadaveric Study

- 14:30 J. RACHEL (Christian Medical College, Vellore, India)
  Recruitment of CD1a Positive Langerhans Cells in Polypoid Nasal Mucosa
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- 14:45 Andrea STREIT (King’s College London) @acestreit
  Protecting Auditory Neurons and Hair Cells from Stress-Induced Degeneration
- 15:00 John GURGUIS (Northumbria Foundation Trust, Newcastle upon Tyne)
  Safety of Neurovascular Bundles when using the Shannon Burr for Calcaneal Osteotomies

SPONSOR ORAL PRESENTATION
- 15:15 David HUGHES and Lorna WILSON (Primal Pictures)
  Reflecting on 2020: How Primal Pictures has Supported the Switch to Remote Learning

BREAK (EXHIBIT HALL)
- 15:25 POSTERS AND EXHIBITORS

SESSION 9: AUDITORIUM Recorded Webinar Chair: Iain KEENAN @dr_keenan

VISUALISATION SYMPOSIUM: ORAL PRESENTATIONS
- 15:40 Paul REA (University of Glasgow, UK) @medicalvis
  From Scalpel to Mouse…. And Beyond
  16:10 Live Q&A with the speaker
- 16:20 Flora GRÖNING (University of Aberdeen, UK) @Flora_Groening
  3D Photogrammetry of Human Specimens: Useful Resource for Teaching and Public Engagement
  16:50 Live Q&A with the speaker

SESSION 10: AUDITORIUM Live Webinar Chair: Iain KEENAN @dr_keenan

VISUALISATION SYMPOSIUM: ORAL PRESENTATIONS
- 17:00 Alireza JALALI (University of Ottawa, Canada) @arjalali
  Disruptive Technologies in Anatomy Education: Will They Replace Cadaveric Labs?

BREAK (EXHIBIT HALL)
- 17:40 POSTERS AND EXHIBITORS

SESSION 11: AUDITORIUM Live Webinar Host: Jeremy MORTIMER @j_w_mortimer

CONFERENCE EVENT
- 19:00-21:00 CONFERENCE SOCIAL EVENT

DAY THREE: Friday 8th January 2021 (GMT)

SESSION 12: AUDITORIUM Live Webinar Chair: Jeremy MORTIMER @j_w_mortimer

DR SOPHIE MILLER MEMORIAL PRIZE LECTURE: ORAL PRESENTATION
- 09:00 Kevin BYRNES (University of Limerick, Ireland)
  The Mesentery: A New Model of Abdominal Compartmentalisation?
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YOUNG INVESTIGATORS: ORAL PRESENTATIONS

- **09:40 Cian O’CONNOR** (RCSI Dublin, Ireland) @OptimisticBio
  Development of Anatomically Inspired 3D Human iPSC Spinal Cord Scaffold System
- **09:55 Juliette HUGHES** (University of Liverpool, UK)
  Anatomical Examination of an Alkaptonuria Cadaver
- **10:10 Nicholas DALMON** (Brighton and Sussex Medical School, UK) @An040my
  Breaking Boundaries: Live Streaming in Anatomy

SPONSOR ORAL PRESENTATION

- **10:25 Ors ADAM** (4D Interactive Anatomy) @4danatomy
  Dissect Real Human Specimens Without a Lab

BREAK (EXHIBIT HALL)

- **10:35 POSTERS AND EXHIBITORS**

**SESSION 13: AUDITORIUM Live Webinar** Chair: Meenakshi SWAMY

YOUNG INVESTIGATORS: ORAL PRESENTATIONS

- **11:00 Fiona FARQUHARSON** (University of Aberdeen, UK)
  Developing Clinical Anatomy E-learning for Medical Students and Evaluating Effectiveness
- **11:15 Samuel STEVENSON** (University Hospital Southampton, UK)
  Can Synchronous Online Near-peer Teaching Offer the Same Benefits as it can Face-to Face?
- **11:30 Joseph TAYLOR and Thomas STUBLEY** (University of Birmingham, UK)
  Can the Position of the Masseteric Artery be used to Reliably Locate the Masseteric Nerve?
- **11:45 Harry MARLAND** (National University of Ireland, Galway, Ireland)
  The Meso-Oesophagus: A Microscopical Study

BREAK (EXHIBIT HALL)

- **12:00 POSTERS AND EXHIBITORS**

**SESSION 14: AUDITORIUM Live Webinar** Chair: Gavin CLOWRY

THOMAS WILLIS (1621-1675) 400th ANNIVERSARY LECTURE: Recorded Presentation

- **13:00 Zoltan MOLNAR** (University of Oxford, UK) @ZoltanMolnar64
- **13:30 Live Q&A with the speaker**

YOUNG INVESTIGATORS: ORAL PRESENTATION

- **13:40 Catherine HENNESSY** (Brighton and Sussex Medical School) @CathHennessy
  Analysis of Changes in Social Media Use by Doctors: Implications for Professionalism and Training

SELECTED ABSTRACTS: ORAL PRESENTATIONS

- **13:55 Sarah ALLSOP** (University of Bristol, UK) @sarah_a_bristol
  Anatomy Inspired Creative Pieces Based on Clinical Practice Experiences
14:10 Hope GANGATA (University of Exeter, UK)
Proposed Anatomy Syllabus for Entry-level Band-5 Physiotherapists: A Modified Delphi Model

14:25 Johan Kandam Kulathu MATHEW (Christian Medical College, Vellore, India)
Size of Langerhans Cells: A Predictor of Clinical Profile and Outcome in Buccal Cancer

14:40 Femina SAM (Christian Medical College, Vellore, India)
Additional Head of Quadriceps Femoris in South Indian Population

BREAK (EXHIBIT HALL)
14:55 POSTERS AND EXHIBITORS (EXHIBIT HALL)

SESSION 15: AUDITORIUM Live Webinar Chair: Evelyne SERNAGOR @esernagor1
SELECTED ABSTRACTS
15:20 Marie DARCHE (INSERM, Paris, France)
Unravelling 3D Vascular Eye Anatomy through Clearing and Light-Sheet Fluorescence Microscopy

15:35 Gerrit HILGEN (Newcastle University, UK) @Gerrit__H
A Novel Approach for the Functional Classification of Mouse Retinal Ganglion Cells

15:50 Simon PARSON (University of Aberdeen, UK) @NEAnatomist
Altered Retinal Vasculature is Biomarker of Disease in Spinal Muscular Atrophy

16:05 Victoria WILSON (Queens University Belfast, UK)
A Comprehensive Review of Infrahyoid Flap

16:20 Alan BOYDE (Queen Mary University of London, UK) @DTL
What Happens when Maxillary Second and Third Molar Tooth Germs Collide During Development?

AWARDED OF PRIZES AND CLOSING REMARKS
16:35 Adam TAYLOR Anatomical Society Honorary Secretary @Adatomy
16:55 Iain KEENAN Anatomical Society Local Conference Organiser @dr_keenan

POSTER PRESENTATIONS Downloadable Documents
PRESENTATIONS: EXHIBIT HALL
ANATOMICAL DRAWING EXHIBITION (BOOTH)
Leonard SHAPIRO (University of Cape Town, South Africa) @leonard_shapiro
Drawing to Understand: A Virtual Exhibition of Drawings

POSTER PRESENTATIONS (BOOTH)
POSTER PRESENTATIONS: ANATOMICAL SCIENCE AND ANATOMY EDUCATION