**Staff News**

We have been joined by 3 new staff since January.

**Dr Quentin Fogg** BSc(Hons), PhD, FRCPS(Glasg)  
(Senior Lecturer eFocused appointment)

Dr Fogg is an anatomist with more than 15 very full years of experience teaching anatomy. He completed his BSc(Hons) in Anatomy and PhD (clinical anatomy of the wrist) at the University of Adelaide. He was a lecturer at Flinders University before spending time at the American University of the Caribbean, where he revitalised the anatomy programme. In late 2007 he was appointed the William Hunter Lecturer in Anatomy at the University of Glasgow and was later promoted to Senior Lecturer. In Glasgow he led the refurbishment of the anatomy facilities, expanded their Body Donor Programme, and was heavily involved in the rewriting of the anatomy component of the new medical curriculum. He also had a leading role in the establishment of a world-class training facility, the Clinical Anatomy Skills Centre (CASC), in association with the Royal College of Physicians and Surgeons of Glasgow. Quentin’s research has included numerous collaborations with clinicians, particularly in orthopaedics and plastic surgery. He is also well known for his work in donor preparation and management. He has published more than 30 papers and presented at a wide variety of anatomical and surgical conferences internationally. In 2013 his work in clinical anatomy was recognised by election to Fellowship of the Royal College of Physicians and Surgeons of Glasgow. Quentin was featured in the two-part documentary series “Dissected” on BBC4 in 2014, along with a programme about Leonardo Da Vinci (BBC2, 2013) and another about the Hunter brothers (BBC4, 2014). Quentin joined the Centre for Human Anatomy Education in January 2015.

**Dr Michelle Lazarus** BA PhD (Senior Lecturer, eFocused appointment)

Michelle Lazarus received her Bachelor of Arts degree with distinction in the area of Biological Sciences in 2001 from the University of Delaware in Newark, USA. She earned her PhD in 2007 from Thomas Jefferson University (Philadelphia, PA, USA) in the field of Pathology and Cell Biology. Her thesis explored the mechanisms by which the malaria parasite, *Plasmodium falciparum*, transported hemoglobin within the red blood cell. It was during her postdoctoral training in 2010 that she gained her clinical anatomy knowledge through the Scientist-Educator Postdoctoral Fellowship at Vanderbilt University (Nashville, TN USA) under the mentorship of Dr. Arthur Dalley. She served as the Director of The Program for Education of Human Structure at Pennsylvania State University (Hershey, PA USA). She won multiple teaching awards including the Dean’s Award for Excellence in Teaching and the Junior Faculty Teaching Award. Michelle refocused her research in cell biology to educational scholarship to focus on evidence based anatomy education. In addition to developing innovative anatomy curricula her work focuses on improving retention and transfer of anatomy knowledge to clinical care as well as vertical integration of anatomy curricula. This research has resulted in various publications in peer reviewed journals and MedEdPortal as well as international recognition.
Dr Luca Fiorenza  BSc PhD (Teaching and Research appointment, Senior Lecturer)

Luca received his Bachelor/Master degree in Natural Sciences in 2003 at La Sapienza University in Rome (Italy), and completed his PhD in Biological Sciences between the Goethe University and the Senckenberg Research Institute (Frankfurt, Germany) in 2009. During his doctoral degree he was part of the world-renowned multidisciplinary network called EVAN (European Virtual Anthropology Network), where he mastered cutting-edge techniques for the study of anatomical variability, including medical imaging, 3D digitisation, display, modelling and programming. He has published numerous articles on the ecology of Neandertals, which have received considerable international media attention. Luca first moved to Australia in 2011, where he was appointed Lecturer in Palaeoanthropology at the University of New England. Luca's research interests mostly focus on functional morphology of the masticatory apparatus in human and non-human primates, and on the importance of the role of diet in human evolution.

Other Staff/Student news:

N: Eizenberg: As a follow up from being a Victorian Australian of the Year (2014) finalist, Norm was appointed as an Australia Day Ambassador by the Department of Premier and Cabinet. This includes being the Ambassador for Mornington Peninsula Shire on Australia Day 2015.

Tom Ranger (PhD student): Received the 'best student presentation' award at ANZACA conference in December 2014 (Queenstown, NZ).

Tony Buzzard: is now an Honorary Associate Professor in the Centre and continues to contribute to teaching in the form of occasional lectures.

Dr Colin McHenry received an inaugural MSA Teaching Award in late 2014. Colin left Monash in January 2015 to take up a career in high school teaching.

Staff Retreat:
The staff met prior to the ANZACA meeting in Christchurch, NZ in Dec 2014 and discussed the future and planned for 2015 teaching. We had some interesting social activities (clay pigeon shooting) followed by one and a half days of discussions. Most of the staff then presented at the ANZACA meeting (over 6 presentations) and one of our PhD students (Tom Ranger) won the best poster prize.

Teaching and Research News

Medicine Year 1 and 2: There have been no major changes to the program except a slight reduction in lectures, a process which the MBBS curriculum committee would like to continue to implement. We believe the bulk of the learning takes place in the laboratory classes and are pushing for a practical based exam in anatomy. The problem is making such an idea work at the Sunway campus in Malaysia, however, we are in discussions to implement such a practical exam in the near future.

The Gippsland Graduate Medical program Year A students now come to Clayton every second Friday for anatomy and histology classes. Lectures in all pre-clinical disciplines were abandoned (including anatomy) in 2015, however in response to feedback from students in mid-2015 a few anatomy lectures were reinstated on Friday mornings at 8am.

Radiography: The CHAE continues to provide demonstrators for anatomy sessions in Year 1 and 2 radiography units and Assoc Prof Norm Eizenberg coordinated a semester 1 unit (RAD 1031).

Physiotherapy: Staff in CHAE continue to make a small contribution to physiotherapy units. Physiotherapy have had to shorten lab times due to demands on space on Wednesdays.

Developmental Biology units: CHAE will make a greater contribution to DEV units (they cannot be changed to ‘Anatomy & Developmental Biology’ unfortunately despite our plea to Science Faculty). These units have grown and are now around 300-350 students. While many students express a desire to do anatomy within a Year 3 unit, currently there is no course to satisfy this demand (and may be limiting subsequent Honours and PhD enrollment in the Centre).

BMS 2011: This unit focuses on human anatomy from an evolutionary and functional/developmental perspective. It now has around 400 students and triplicate labs have to be run. Evaluations show that students find it very intellectually stimulating but hard work as it is a one semester 6 point unit. However, as with the
Developmental Biology curriculum, we have not been allowed to offer a Year 3 BMS anatomy unit to distribute this core anatomy content. As with the science majors, the limits of the current anatomy course offerings prevents students from doing higher studies in anatomical sciences that would lead to Honours and PhD programs.

**Others:** We offer small contributions to many programs including nursing, hand therapists, massage therapists and several other paramedical groups.

**Teaching Precinct and Learning Commons**
The new building is going ahead. It will be 5 floors and likely positioned close to Building 77. Building 13 will be gradually decommissioned over many years in phases. Facilities and services have suggested the building will be “iconic” and around 9000 m$^2$ of which ~5000 will be teaching space. The department and CHAE hopes to occupy teaching facilities of around 1200m$^2$ of this, much of it as shared multipurpose labs. A new large dissecting room and surgical anatomy/postgraduate suite will be a significant addition.

**3D Printing Project**
The ‘Monash 3D Printed Human Anatomy Series 1’ which consists of over 50 individual prints has been completed. The series is now available for sale with our partners, a German company, ‘Erler Zimmer (www.3danatomyseries.com) and orders have started to come in from around the world.

In January 2015, with the help of faculty and central support, we bought a Projet 4500 multicolor plastic printer and are about to trial a new multicolor multi-material printer from Stratasys. We have applied for further funding from the Victorian government (Victorian Biomedical Manufacturing Consortium) for support on the basis of Stratasys expressing a willingness to support our projects with both cash and in kind contributions.

We have 2 new medical graduates enrolled in collaboration with plastic surgery at Dandenong for a Masters and PhD in the area of 3D printing and another Masters about to commence. We have one full time staff member (Michelle Quayle) and around 3 casual staff employed on the project and have commenced some new initiatives which we are keeping fairly confidential. The 3D printing project continues to attract media attention with segments featuring on ABC 24, Channel 7 and recently Al-Jazeera. We have had many interested parties come visit who wish to collaborate and there are now a host of research projects in train.

**Summer Scholarships (Eric Glasgow Summer Research Scholarships and CHAE Summer Scholarships 2014/2015)**
We had 13 summer students who performed a variety of dissection and 3D printing projects. Three 2013/14 scholarship students have been included in a publication (*Adams et al, Brit J Ophthal 2015*).

**Grants (2014)**

**2014-2016 NH&MRC (Project Grant) APP10699** McMenamin, Ruitenber, Chinery, Bernard

“Central Nervous System Dendritic Cells – Guilty or Not Guilty?” $465,209

**2014 Rebecca Cooper Foundation (2014)** McMenamin PG Kezic J

The effects of age on the immune system in the eye

*Ken Cahill Award (additional Scholarship: Awarded to top grant in Australia 2014)*

Adams, JW Leakey Foundation Grant for fieldwork in South Africa. $75,000

**2014 Monash-Warwick Alliance Development Scheme:**

McMenamin PG, Tunstall R.: $55,000

**2014 MBBS Development Grant Scheme**

Adams, JW, McHenry, C, McMenamin PG.

“Interactive Software Applications For Individual and Group Learning in MBBS Anatomy Practical Sessions” $35,000
Papers Published in 2014


