

## Joy Y. Balta, PhD, MSc, MEd

### Work Address

9055 Balboa Ave, San Diego, 92123

(619) 849 3005

[joy.balta@gmail.com](mailto:joy.balta@gmail.com)

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## Education

Ph.D. Human Anatomy, University College Cork, Cork, Ireland Thesis Title: Functional educational characterization of the utility of embalming fluids for anatomical education and research Advisor: John F. Cryan and Siobhain M. O'Mahony	2016
M.A. Teaching and Learning in Higher Education, University College Cork, Ireland	2020
M.Sc. Human Anatomy, University of Dundee, Dundee Scotland	2012
B.S. Life and Earth Sciences (Honors), Lebanese University, Beirut, Lebanon	2009

## Academic Appointments

Professor & Founding Director Anatomy Learning Institute, College of Health Sciences, Point Loma Nazarene University, San Diego, California	2025- Present
Clinical Associate Professor Department of Surgery, School of Medicine, University of California, San Diego	2024- 2025
Associate Professor & Founding Director Anatomy Learning Institute, College of Health Sciences, Point Loma Nazarene University, San Diego, California	2022- 2025
Health Science Educator Division of Anatomy, School of Medicine, University of California, San Diego	2022- 2023
Associate Professor Biomedical Education & Anatomy, The Ohio State University, Columbus, Ohio	2021- 2022

Faculty Fellow for Instructional Redesign Michael V. Drake Institute for Teaching and Learning, Office of Academic Affairs, The Ohio State University, Columbus, Ohio	2020- 2022
Assistant Professor Biomedical Education & Anatomy, The Ohio State University, Columbus, Ohio	2018- 2021
Adjunct Assistant Professor Biomedical Education & Anatomy, The Ohio State University, Columbus, Ohio	2018
Assistant Professor (Lecturer at Irish University Ranking) Anatomy & Neuroscience, University College Cork, Cork, Ireland	2016- 2018
Senior Medical Demonstrator at Irish University Ranking Anatomy & Neuroscience, University College Cork, Cork, Ireland	2013- 2016
Instructor School of Medicine, Lebanese American University, Byblos, Lebanon	2012- 2013

## Leadership Positions

Founding Director Anatomy Learning Institute, College of Health Sciences, Point Loma Nazarene University, San Diego, California	2022- Present
Instructional Redesign Initiative Lead Institute for Teaching & Learning, The Ohio State University, Columbus, Ohio	2020- 2022
Director of Labs & Body Donation Program Biomedical Education & Anatomy, The Ohio State University, Columbus, Ohio	2018- 2022
MSc Human Anatomy Program Coordinator Anatomy & Neuroscience, University College Cork, Cork, Ireland	2017- 2018
MSc Human Anatomy Program Development Coordinator Anatomy & Neuroscience, University College Cork, Cork, Ireland	2016- 2017

## Other Positions and Employment

Consultant in Surgical Education Victory Healthcare- Institute for BioResearch, Houston, Texas	2013- 2014
Lab Technician in Anatomy & Microbiology School of Medicine, Lebanese American University, Byblos, Lebanon	2009- 2011
Founding President As You Are- Non-Profit Organization, Beirut, Lebanon	2009- 2013

## Professional Memberships and Activities

American Association for Anatomy Co-Chair, Limbs/Trunk Curriculum Review Task Force Member, Body Donation Policies and Bill HR 1835 Task Force Coordinator, Alternative Preservation Techniques Group Founding Chair, Human Body Donation Committee	2013- Present 2014 2019 2016- 2021
Anatomical Society of Great Britain & Ireland Member, Board of Directors & Trustee Member, Website, Media & Communications Committee Member, Meetings Committee	2013- Present 2014- 2016 2014- 2019 2014- 2016
Institute of Anatomical Sciences Member, Board of Directors	2011- Present 2014 to 2016
American Association of Clinical Anatomists Member	2015- Present

## Editorial Responsibilities

Anatomical Sciences Education, Associate Editor & Reviewer	2016- Present
Anatomia, Histologia, Embryologia, Reviewer	2018- Present
Journal of Anatomy, Reviewer	2018- Present
Medical Teacher, Reviewer	2016
Frontiers in Veterinary, Reviewer	2019
Saudi Medical Journal, Reviewer	2019
Clinical Anatomy, Reviewer	2020

## Educational Activities

Educational Administration and Leadership Member, Admissions Committee	2016- 2018
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Member, Marketing and Recruitment Committee	2016- 2018
Member, Exams Committee	2016- 2018
Program Development Coordinator, Masters in Human Anatomy	2016- 2017
Program Coordinator, Masters in Human Anatomy	2017- 2018
Member, Surgical Education Committee	2019- 2022
Member, CIRTl Network Steering Committee	2019- 2022
Instructional Redesign on Demand Short Course Series	2021- 2022

#### Teaching Activities

Foundations of Medicine Block, Instructor, 60 students Session Titles: Thorax & Mediastinum, Autonomic Nerves System, Abdominal Viscera, Male & Female Pelvis	2012- 2013
Endocrinology & Reproductive Medicine Block, Instructor, 60 students Session Titles: Pancreas & Suprarenal, Male Reproductive System	2012- 2013
Nephrology Block, Instructor, 60 students Session Titles: Anatomy of the Urinary System	2012- 2013
Pulmonary Block, Instructor, 60 students Session Titles: Anatomy of the Lungs & Thoracic cage, Nasal Cavities & Paranasal Sinuses, Root of the Neck	2012- 2013
Gastrointestinal Block, Instructor, 60 students Session Titles: Foregut, Midgut, Hindgut	2012- 2013
Musculoskeletal & Dermatology Block, Instructor, 60 students Session Titles: Leg & Foot, Gluteal Region & Popliteal Fossa, Deep Muscles of the Back, Forearm & Hand	2012- 2013
Neurosciences & Psychiatry Block, Instructor, 60 students Session Titles: Gross Anatomy of the Brain, Spinal Cord, Cranial Nerves	2012- 2013
The Anatomical Basis of Dental Hygiene, Instructor, 40 students Session Titles: Oral Cavity, Nasal Cavity, Trigeminal Nerve, Muscles of Mastication, Floor of the Mouth	2013- 2016

Topographical Anatomy of Dental Practice, Instructor, 90 students Session Titles: Mediastinum, Thorax, Lungs & diaphragm, Overview of the Central Nervous System, Orbit & Eye	2013- 2016
Human Regional Neuroanatomy, Instructor, 25 students Session Titles: Gross Anatomy of the Brain, Cranial Nerves, Limbic System	2013- 2016
Neuroanatomy, Instructor, 10 students Session Titles: Gross Anatomy of the Brain, Cranial Nerves, Limbic System	2013- 2016
Foundations of Medicine- Introductory Human Biology, Instructor, 125 students Session Titles: Anatomical Terminology, Axilla & Brachial Plexus, Arm, Joints, Anterior Forearm & Palm of Hand, Shoulder Region, Upper Limb Joints, Anterior & Medial Thigh, Leg & Foot, Lower Limb Joints	2013- 2016
Foundations of Medicine- Cardiovascular Biology, Instructor, 125 students Session Titles: Overview CVS, External Heart, Internal Heart, Mediastinum, Root of the Neck	2013- 2016
Foundations of Medicine- Respiratory Biology, Instructor, 125 students Session Titles: Nose & Sinus, Pharynx& Larynx, Thoracic Wall, Lungs	2013- 2016
Foundations of Medicine- Gastrointestinal Biology, Instructor, 125 students Session Titles: Oral Cavity & Oropharynx, Parotid & Submandibular Region, Temporal Region & Muscles of Mastication, Anterior Abdominal Wall, Peritoneal Cavity, Liver-Stomach-Gall Bladder, Small & Large Intestine, Coeliac Trunk, Posterior Abdominal Wall, Rectum & Anus	2013- 2016
Foundations of Medicine- Neuroscience, Instructor, 125 students Session Titles: Skull, Meninges & Ventricles, Cranial Nerves, Basal Ganglia, Cerebellum	2013- 2016
Foundations of Medicine- Renal Mechanism, Instructor, 125 students Session Titles: Urinary Tract, Pelvic Wall, Perineum, Male Reproductive System, Female Reproductive System	2013- 2016
Graduate Fundamental of Medicine I, Instructor, 80 students Session Titles: Upper Limb1-2-3-4-5, Lower Limb 1-2-3-4	2013-2016
Graduate Fundamental of Medicine II, Instructor, 80 students Session Titles: Thoracic Cage, Mediastinum & Diaphragm, Pericardium & External Heart, Pelvis & Perineum, Nose, Pharynx	2013-2016

Graduate Fundamental of Medicine III, Instructor, 80 students Session Titles: Stomach- Liver- Gall Bladder, Small & Large Intestine, Abdominal Wall, Oral Cavity, Coeliac Trunk & Viscera	2013-2016
Graduate Fundamental of Medicine IV, Instructor, 80 students Session Titles: Skull, Meninges & Ventricles, Cranial Nerves, Basal Ganglia, Cerebellum	2013-2016
Anatomy of Speech and Hearing, Instructor, 30 students Session Titles: Pharynx and Larynx, Muscles of Facial Expression, Nasal Cavity, Facial Bones	2016
Topographical Anatomy for Physical Therapists, Instructor, 45 students Session Titles: Biomechanics of the Upper Limb, Biomechanics of the Lower limb	2016
Human Gross Anatomy, Director & Instructor, 10 students Session Titles: Lectures & Labs covering the full human body	2017- 2018
Anatomy Pedagogy, Director & Instructor, 10 students Session Titles: Universal Design for Learning, Multiple Intelligences in Anatomy, Curriculum Development, Teaching Session Design	2017- 2018
Graduate Gross Anatomy, Director & Instructor, 10 students Session Titles: Lectures & Labs covering the full human body	2018- 2022
Anatomy for General Surgery Residents, Director & Instructor, 40 students Session Titles: General Abdominal Anatomy, Inguinal and Femoral Herniae, Biliary Anatomy & Foregut Mesenteric Vessels, Male & Female Pelvic Anatomy for Low Rectal Surgery, Thorax & Mediastinum, Neck Anatomy, Limb Vasculature/Compartment Release	2018- 2022
Clinical Anatomy, Director & Instructor, 10 students Session Titles: Head, Thorax, Abdomen, Back	2018- 2022
Ethics & Professionalism in Medicine , Director & Instructor, 210 students Session Titles: Ethics in the Anatomy Laboratory, From the Lab to the Practice of Ethics & Professionalism in Medicine	2019- 2022
Super Hero Anatomy, Instructor, 25 students Session Titles: Muscular System of the Human Body	2019- 2022
Education Seminar, Instructor, 20 students	2019- 2022

Session Titles: Universal Design for Learning

IR on Demand, Teaching in Large Classroom, 10 Faculty	2021- 2022
ANA 6001- Human Anatomy- MSM, Director & Instructor, 34 students	2022- Present
Undergraduate Human Anatomy, Director & Instructor, 15 students	2022- Present
ANA 6005- Applied Human Anatomy- MSOT, Director & Instructor, 40 students	2023- Present
Medicine, Year 1, Cardiovascular System, Instructor, 140 students	2022- Present
Medicine, Year 1, Pulmonary, Instructor, 140 students	2022- Present
Medicine, Year 1, Gastrointestinal System & Nutrition, Instructor, 140 students	2022- Present
Medicine, Year 1, Renal System, Instructor, 140 students	2022- Present
Medicine, Year 1, Musculoskeletal System, Instructor, 140 students	2022- Present
Medicine, Year 1, Mind, Brain and Behavior, Instructor, 140 students	2022- Present

Development of Curricula and Educational Materials

Medical Anatomy Lab Manual, Lebanese American University, Lebanon	2011
Masters in Human Anatomy Curriculum, University College Cork, Ireland	2016
Program Learning Outcomes	
All Coursework Learning Outcome	
Gross Anatomy Curriculum & Teaching Resources	
Anatomy Pedagogy Curriculum & Teaching Resources	
Graduate Certificate in Anatomy & Physiology, The Ohio State University	2020
Instructional Redesign Asynchronous courses	2021
Teaching in Large Classroom	
Flipped Classroom	
Team Based Learning	
Online Teaching	
Anatomy Learning Institute Online Offerings	2022
MS Biomedical Sciences & PGCert Anatomical Sciences (In-Progress)	2023

## Advising and Mentoring

### Students

Dr. Elias Abdullah, MSc Human Anatomy, Supervisor	2018
Dr. Cassie Fives, MSc Human Anatomy, Supervisor	2019
Breffni Freyni, MSc Human Anatomy, Supervisor	2019
Lauren Riley, PhD Human Anatomy, Supervisor	2020
Tyler Hall, PhD Human Anatomy, Supervisor	2021
Michael Leake, MS Human Anatomy, Supervisor	2021
Mason Marek, MS Human Anatomy, Supervisor	2021
Jarrold Fair, MS Human Anatomy, Supervisor	2021
Jazmine Arce, MS Human Anatomy, Supervisor	2021

### Faculty

Dr. Mutahira Lone, PhD Human Anatomy, Advisor	2018
Dr. Muhammad Asim Javid, PhD Human Anatomy, Advisor	2019

## Scholarship

### Primary Investigator of the Balta Lab

#### Members:

Tyler Hall- PhD Student- The Ohio State University  
 Lauren Riley- PhD Student- The Ohio State University  
 Michael Leake-MS Student- The Ohio State University  
 Mason Marek- MS Student- The Ohio State University  
 Jazmine Arce- MS Student- The Ohio State University  
 Jarrod Fair- MS Student- The Ohio State University  
 Taylor Wyatt- MS Student- The Ohio State University  
 Nic Schul- MS Student- The Ohio State University  
 Amanda Gentile- MS Student- Queen's University, Canada  
 Niamh O'Riley- MS Student- University College Cork  
 Dr. Elias Abdullah, MSc Student- University College Cork  
 Dr. Cassie Fives, MSc Student- University College Cork  
 Breffni Freyni, MSc Student- University College Cork

### Scholarship of Research- Peer- Reviewed Publications

1. Hall, T.R., Mosley, C.F. and Balta, J.Y.. Who is Teaching Anatomy? An Examination of the Demographic Characteristics, Academic Backgrounds, and Professional Responsibilities of US Anatomy Teachers. *Anatomical Sciences Education* (2025) (In Press).



2. Balta, J.Y., Champney, T.H., Ferrigno, C., Johnson, L.E., Ross, C.F., Schmitt, B. and Smith, H.F. Human body donation programs best practices and recommended standards: A task force report from the American Association for Anatomy. *Anatomical Sciences Education* (2025).
3. Arce, J.E., Contreras, E.S., Vaghani, P., Goyal, K. and **Balta, J.Y.**. Using Soft-Preserved Body Donors to Improve the Anatomy Learning Experience for Orthopedic Residents. *Journal of Surgical Education*, 82(1), p.103321 (2025).
4. **Balta, J.Y.**, Champney, T.H., Ferrigno, C., Johnson, L.E., Ross, C.F., Schmitt, B. and Smith, H.F. The road to best practices in body donation. *Anatomical Sciences Education*, 18(1), p.5 (2024).
5. **Balta, J.Y.** The intersection of anatomy and spirituality. *Anatomical Sciences Education*, 17(8), pp.1523-1525 (2024).
6. Leake, M., Ejaz, A., Patel, R. and **Balta, J.Y.** The utility of soft-preservation in Medical Education: Current trends & future directions. *European Journal of Anatomy*, 28(3), pp.389-398 (2024).
7. Claveria, A., Bachour, D., **Balta, J.Y.**, Antonacci, R., Ventura, N.M. and Noel, G.P., A comparison of student perspectives on body donation across healthcare professional programs: From prosection-to dissection-based curricula. *Anatomical Sciences Education*, 17(3), pp.558-570 (2024).
8. Bagian, L.K., Wyatt, T.B., Mosley, C.F. and **Balta, J.Y.** Investigating the status of whole-body donation across the United States of America. *Anatomical Sciences Education*, 17(3), pp.646-659 (2024).
9. Bagian, L.K., Davis, D.C., Parker, R.C., Mosley, C.F. and **Balta, J.Y.** Giving a voice to our silent teachers: Whole body donation from the donor perspective at one donation program in the United States. *Anatomical Sciences Education* (2024).
10. Hall, T.R., Mosley, C.F. and Balta, **J.Y.**. Graduate anatomy education: How are we training the future generations of anatomy educators?. *Anatomical Sciences Education*, 17(2), pp.422-432 (2024).
11. Freyne, B., Boadum, O., Lone, M. and **Balta, J.Y.**. Pain Patterns of the Temporomandibular Joint Dysfunction and Implications of Stress-Related Behaviors: A Pilot Study. *International Journal of Morphology*, 42(1) (2024).
12. Mossa, A.H., Thériault, G., **Balta, J.Y.**, Zeroual, M. Lessons from the pandemic: a scoping review on the Online Student Assessment in Anatomy Education. *HAPS Educator Journal* (2023).

13. Fair, J.D., Boucher, L.C., Agnor, C.M., **Balta, J.Y.** Anatomical and Clinical Education in Physical and Occupational Therapy: Influence of Integration and Soft Preservation. *International Journal of Morphology* (2023).
14. Organ, J.M., Smith, H.F., Trainor, P.A., Allen, K., **Balta, J.Y.**, Beresheim, A.C., Brewer-Deluce, D., Brown, K.M., Burrows, A.M., Byers, K.T. and Byram, J.N. Personal autonomy and self-determination are crucial for professionalism in healthcare. *Anatomical Sciences Education* (2023)
15. Wyatt, T.B., Bagian, L.K., **Balta, J.Y.** Human body donors at academic institutions in the United States of America: An investigative study. *Clinical Anatomy* (2023).
16. Zdilla, M. J., **Balta J.Y.** Human body donation and surgical training: a narrative review with global perspectives. *Anatomical Science International* 98(1): 1-11. (2022).
17. **Balta, J.Y.**, Venne, G., Noel, G.P.J.C 10 Tips on Working with Human Body Donors in Medical Training and Research. *Anatomical Science International* 97(3): 307-312 (2022).
18. Zealley, J.A., Howard, D., Thiele, C., **Balta, J.Y.** Human Body Donation: How informed are the donors? *Clinical Anatomy* 35(1): 19-25 (2022).
19. Mosley, C., Lee W., Gilani, R., Terry, G., Reeves, R., **Balta J.Y.** Building Bridges with Anatomy: Can Continuing Education in Mortuary Sciences Transform the Profession? *European Journal of Anatomy* 25(S1): 155-160 (2021).
20. Abudllah, E., Lone, M., **Balta, J.Y.** Student-Centered Learning in the Anatomy Laboratory: Medical Students' Perspective. *Medical Science Educator* 30: 1459-1464 (2020).
21. **Balta, J.Y.**, Supple, B. and O'Keeffe, G.W. The Universal Design for Learning Framework in Anatomical Sciences Education. *Anatomical Sciences Education* 14(1), 71-78 (2020).
22. Vagg, T., **Balta, J.Y.**, Bolger, A. and Lone, M. Multimedia in Education: What do the Students Think? *Health Professions Education* 6(3), 325-333 (2020).
23. **Balta, J.Y.**, Blom, G., Davidson, A., Perrault, K., Cryan, J.F., O'Mahony, S. M., and Cassella, J.P. Developing a Quantitative Method to Assess the Decomposition of Embalmed Human Cadavers. *Forensic Chemistry* 18:100235. (2020).
24. Saleme, F.T., O'Reilly, B.A. and **Balta, J.Y.** The Cadaver is Not Dead. *Anatomical Science International* 95: 571-572 (2020).
25. **Balta, J.Y.**, O'Keeffe, G.W. and Supple, B. Utilizing the scholarship of teaching and learning to design an Anatomy Pedagogy Course. *European Journal of Anatomy* 23(3): 233-240 (2019).

26. **Balta, J.Y.**, Cryan, J.F. and O'Mahony, S.M. The antimicrobial capacity of embalming solutions: a comparative study. *Journal of Applied Microbiology* 126(3): 764-770 (2019).
27. **Balta, J.Y.**, Twomey, M., Moloney, F., Duggan, O., Murphy, K.P., O'connor, O.J., Cronin, M., Cryan, J.F., Maher, M.M. and O'mahony, S.M. A comparison of embalming fluids on the structures and properties of tissue in human cadavers. *Anatomia, Histologia, Embryologia* 48(1): 64-73 (2019).
28. Moloney, F., Twomey, M., Fama, D., **Balta, J.Y.**, James, K., Kavanagh, R.G., Moore, N., Murphy, M.J., O'Mahony, S.M., Maher, M.M. and Cryan, J.F. Determination of a suitable low-dose abdominopelvic CT protocol using model-based iterative reconstruction through cadaveric study. *Journal of Medical Imaging and Radiation Oncology* 62(5): 625-633 (2018).
29. **Balta, J.Y.**, Twomey, M., Moloney, F., O'Connor, O.J., Murphy, K.P., Cronin, M., Cryan, J.F., Maher, M.M. and O'Mahony, S.M. Assessing radiological images of human cadavers: Is there an effect of different embalming solutions? *Journal of Forensic Radiology and Imaging* 11: 40-46 (2017).
30. Lone, M., McKenna, J.P., **Balta, J.Y.**, O'Mahony, S.M., Cryan, J.F., Downer, E.J. and Toulouse, A. Assessment of Thiel-Embalmed Cadavers as a Teaching Tool for Oral Anatomy and Local Anesthesia. *Journal of Dental Education* 81(4): 420-426 (2017).
31. **Balta, J.Y.**, Cronin, M., Cryan, J.F. and O'Mahony, S.M. The utility of cadaver-based approaches for the teaching of human anatomy: A survey of British and Irish anatomy teachers. *Anatomical Sciences Education* 10(2): 137-143 (2017).
32. **Balta, J.Y.**, Lamb, C. and Soames, R.W. A pilot study comparing the use of Thiel-and formalin-embalmed cadavers in the teaching of human anatomy. *Anatomical Sciences Education* 8(1): 86-91 (2015).
33. **Balta, J.Y.**, Cronin, M., Cryan, J.F. and O'Mahony, S.M., 2015. Human preservation techniques in anatomy: a 21st century medical education perspective. *Clinical Anatomy*, 28(6), pp.725-734.

#### Scholarship of Research- Books and Chapters

1. **Balta, J.Y.** and Whiting, K. World Small Hydropower Development Report—Lebanon & Jordan 306-3011. United Nations (2014).

## Invited Presentations

International

04/24/2021

Human Body Donor Research- Current Trends and Future Directions,  
Institute of Anatomical Sciences, Spring Scientific Meeting, London, UK

The Anatomy Education Podcast, Leeds University, England

09/24/2017

<http://anatomypodcast.co.uk/episodes/dr-joy-balta/>

Teaching and Learning in Anatomy, Queen's University Belfast, Belfast,  
Northern Ireland

04/29/2018

Cadaver & Embalming Research in the 21<sup>st</sup> Century, King's College  
London, London, England

06/8/2018

Expositors Collective- Pedagogy, Educational Theory & Sunday Teaching,  
Cork, Ireland

12/24/2019

<https://www.expositorscollective.com/podcast/2019/12/24/episode-80-pedagogy-educational-theory-amp-sunday-sermons>

#### National

Cadaveric and Embalming Research; Challenges and Opportunities,  
American Association for Anatomy, Indiana

05/01/2021

The Use of Soft Preserved Cadavers in Medical Education, Western  
University, California

06/26/2017

Anatomy in the Irish Medical Education- The Land of Saints and Scholars,  
The George Washington University, Washington, DC

12/13/2017

Clinically Applied Anatomy- The Shoulder Region, Liberty University  
College of Osteopathic Medicine, Virginia

02/23/2018

#### Regional

The Application of Clinical Vignette in Anatomy Teaching, Oakland  
University, Michigan

03/20/2017

### Other Presentations, Posters, and Abstracts

1. **Balta, J.Y.**, Cronin, M., Cryan, J.F. and O'Mahony, S.M. The utility of cadaver-based approaches for the teaching of human anatomy: A survey of British and Irish anatomy teachers. Experimental Biology 2016
2. Banani, T., Lee, J., Lean, A.N., Butera, G., Brown, K., Jurjus, A.R., Hawi, J., Leon, A., Cappello, F., **Balta, J.Y.**, Lone, M. and Jurjus, R. Knowledge Retention Across curricular models: an international collaboration. George Washington University 2018

3. Boaz, N. T., Abercrombie, C., **Balta, J.Y.**, Becker, R., Bernor, R., Clary, T., Goodmurphy, C., Graham, J., Kalmar E.L., Wasigroch, T., Krimsier, J., Robinson, C., Sikon, D., Sikon, R., and Wessels, M. issue Solidification in Heart, Lung, and Brain in Soft-Embalmed Cadavers AACA Meeting- Award Winning Presentation 2018
4. Jurjus, R. A., Banani, T., Goldman E., Lean, A.N., Butera, G., Jurjus, A.R., Hawi, J., Leon, A., Cappello, F., Buchcieri, F., **Balta, J.Y.**, Lone, M., Brown, K. and Lee, J. Knowledge retention across curricular models: An international collaboration. AACA Regional Meeting in Washington, D.C 2018
5. Banani, T., Lee, J., Lean, A.N., Butera, G., Brown, K., Jurjus, A.R., Hawi, J., Leon, A., Cappello, F., **Balta, J.Y.**, Lone, M. and Jurjus, R. Knowledge Retention Across curricular models: an international collaboration. AAMC- NEGEA 2018
6. Lone, M., Abdullah, E. and **Balta, J.Y.** Assessing Student-Led Learning in an Anatomy Practical: Students' Perception. Experimental Biology 2019
7. **Balta, J.Y.**, Lone, M. and Jurjus, R. A. What do the Students Remember? A Retention Study among Irish Medical Students. Experimental Biology 2019
8. Dvoracek, P., **Balta, J.Y.** Osadjan, M. Analysis of Undergraduate Retention Outcomes: What do Students Actually Remember? Experimental Biology 2020
9. **Balta, J.Y.**, Thiele, C. and Fernandes, A. Engaging the Hidden Curriculum: A Pilot Intervention Using the Anatomy Lab to Teach Ethics & Professionalism. AAMC- CGEA 2020
10. Thiele C, Fernandes AK, Quinn MM, **Balta JY**. Dissecting Medical Students' Body Donor Dissection Experience: What can we learn? ASGBI. 2021
11. Mosley C, Lee W, Reeves R, Gilani R, Terry G, **Balta JY**. Anatomy and Mortuary Sciences: The Crossed Paths of Two Disciplines. ASGBI. 2021
12. Lobdell J, **Balta JY**, Mosley C. A Unique Variation of Gantzer Muscle. ASGBI. 2021

13. Mosley C, Beam S, Brzezinski E, Cooper M, Li R, Mohi A, Prada C, **Balta JY**. Cadaveric anomalous circumflex artery finding: a case study. ASGBI. 2021
14. **Balta JY**, Thiele C, Fernandes AK. Preparedness, Challenges & Processing of Medical Students' Body Donor Dissection Experience. Experimental Biology. 2021
15. Feryni B, Lone M, **Balta JY**. Assessing Stress Related Behaviors on Temporomandibular Joint Dysfunction: A Pilot Study. Experimental Biology. 2021
16. Hall TR, Beam SA, Parker MF, **Balta JY**, Burgoon JM. Multiple Variations of Forearm Musculature Uncovered During Routine Cadaveric Dissection. AACA. 2021
17. Zealley J, Howard D, Thiele C, **Balta JY**. Consent in Human Body Donation. ASBH. 2021
18. Leake M, Bazan JA, **Balta JY**. SARS-CoV-2 transmission through human body donors: What do we know? ASGBI 2022
19. Marek M, **Balta JY**. Surgical Skills in General Surgery Residency Program: Current Trends and Future Directions. Experimental Biology, Philadelphia- Pennsylvania 2022
20. Fair JD, Boucher LC, Agnor C, **Balta JY**. Integrating Clinical Education into the Anatomy Curriculum; The Advantages of Soft Preservation Techniques. FASEB 2022
21. Hall TR, **Balta JY**. Current Status of Graduate Anatomy Education in The State of Ohio. FASEB 2022
22. Leake ML, Marek M, Ejaz A, Chen X, **Balta JY** Surgical Faculty's Perspectives on the Unknown Utility of Alcohol-Preservation in Surgical Resident Education. FASEB 2022
23. Wyatt TB, Bagian LK, **Balta JY**. Investigating the Contributions of Human Body Donors in the United States. FASEB 2022
24. Bagian LK, Wyatt TB, **Balta JY**. Investigating the Status of Whole-Body Donation Across the United States of America. FASEB 2022

25. Gentile A, MacKenzie L, **Balta JY**, Rockarts J, Palombella A, Venne G. Embalming Procedures and Laboratory Practices for Cadaver-Based Learning. FASEB 2022
26. Arce JE, Contreras E, Vaghani P, Goyal K, **Balta JY**. The Dissection Experience of Orthopedic Resident: A Comparison between Soft-Preservation and Formalin-Fixation Embalming Techniques. FASEB 2022
27. Zeroual M, Lu D, D'Anna F, Venne G, **Balta JY**. Evidence-based anatomy education: a novel socio-constructivist approach. AAA 2023
28. Hall T, Mosley CF, Vakil J, Lambert C, Saveli D, **Balta JY**. Who is teaching anatomy? A pilot study from the state of Ohio. AAA 2023
29. Hall T, Mosley CF, Vakil J, Lambert C, Saveli D, **Balta JY**. How to train the future generation of anatomy teachers: a pilot study. AAA 2023
30. Bagian LK, Parker RC, Mosley CF, **Balta JY**. Giving A Voice to Our Silent Teachers: Whole-Body Donation from the Donor Perspective. AAA 2023
31. Hall, T.R., Mosley, C.F. and Balta, J.Y.. Investigating the Roles of Gender and Race Among Anatomy Teachers: A National Investigation. 2024

## Public Engagement & Media

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| Teenagers are doctors for a day at UCC's Prep-for-Med day- Irish Examiner                | 2015 |
| Anatomy Pedagogy- Anatomy Education Podcast  | 2016 |
| Cadavers help med students gain knowledge- The Columbus Dispatch                         | 2019 |
| Pandemic limits body donations for research- Canton Repository                           | 2020 |
| Cadaver Donations Fall During COVID: Will Future MDs Suffer?- Medscape                   | 2021 |
| Syrian ex-prisoners haunted by horrors of 'salt rooms'- Agence France-Presse             | 2022 |
| Bodies for Science- WHYY Public Broadcasting Station                                     | 2023 |
| Honoring the Body Donors Who Are a Medical Student's 'First Patient'- The New York Times | 2023 |
| Your Brain Holds Secrets. Scientists Want to Find Them- The New York Times               | 2024 |



Unclaimed Bodies in Medical Education- NBC (In-print)

2024

## **Professional Development**

Gross Anatomy of the Thoracic Region, Organizer, Columbus, Ohio

Gross Anatomy of the Upper Limb & Back, Organizer, Columbus, Ohio

Gross Anatomy of the Thoracic Region, Organizer, Marion, Ohio

## **Committee Assignments and Administrative Service**

Department of Biomedical Education & Anatomy, The Ohio State University  
Chair, Body Donation Program Advisory Committee

2019- 2022

Division of Anatomy, The Ohio State University  
Manager, Social Media Team

2019- 2022

Surgical Skills Lab, The Ohio State University Wexner Medical Center  
Member, Surgical Education Committee

2019- 2022

Institute for Teaching and Learning, The Ohio State University  
Member, CIRTLL Network Steering Committee

2019- 2022

Office of Academic Affairs, The Ohio State University  
Member, Teaching Evaluation Committee

2020- 2022

College of Health Sciences, Point Loma Nazarene University  
Leadership Committee

2022- Present

## **Community Service**

World Vision, Lebanon, Volunteer Coordinator

2004- 2009

As You Are, Lebanon, Founding President

2009-2013

National Health Services, Scotland, Suicide First Aid Interventionist

2011-2012

Dream Center Homeless Outreach, Ohio, Volunteer

2019- 2022



Life Beyond the Streets, Ohio, Volunteer

2020- 2022

Park Hill, San Diego, Volunteer

2023- Present