ON THE INSIDE

For staff, students, and faculty of LSU Health Shreveport

October - December 2020

School of Medicine
School of Graduate Studies
School of Allied Health Professionals
Graduate Medical Education
Office of Research

LSU Health

Alumni SPOTLIGHT

Ruhul Abid, MD, PhD, former postdoctoral fellow in the Department of Biochemistry & Molecular Biology at LSU Health Shreveport, was nominated for the 2020 Nobel Peace Prize.



Dr. Abid was a postdoctoral fellow in Dr. Ricky De Benedetti's lab in the Department of Biochemistry & Molecular Biology from 1997-2000. He worked on a mixed yeast/mammalian cell project that culminated in an important paper that became a landmark at the time on the eukaryotic translation initiation factor eIF4E.

After his tenure in the De Benedetti lab, Dr. Abid had a fellowship in Vascular Medicine at Beth Deaconess Medical Center in 2001 and was then hired as an assistant professor at Harvard Medical School. He joined Brown Medical School in 2011 and has established his vascular biology lab at the Cardiovascular Research Center of Rhode Island Hospital. He served on the Medical Faculty Executive Council of Alpert Medical School from 2012-2015. He has been serving as an Executive Faculty Member at Brown Global Health Initiative since 2017.

Ruhul has been very active in social health programs that serve underserved industrial and garment factory workers in Bangladesh since 2013 and the Rohingya refugees from Myanmar since 2017. This activity resulted in his nomination for the 2020 Nobel Peace Prize.

HONORS & APPOINTMENTS

Steven Roderick Bailey MD, MSCAI, MACP, FACC, FAHA, Chairman of Internal Medicine, was named by the American College of Physicians (ACP) Awards Committee as a 2021 Mastership recipient. Dr. Bailey is only the fourth member of the LSU Health Shreveport faculty and one of only fifteen Louisiana physicians to have received this prestigious designation.

Peter H. Seidenberg, MD, MA, FAAFP, FACSM, RMSK, Professor and Chairman of Family Medicine, was named Co-Director of the North American Primary Care Research Group and Associations of Family Medicine Research Fellowship Program.

Amber Edinoff, MD, PGY-III and Hamza Mohammad-Amin, MD, PGY-II with Psychiatry and Behavioral Medicine; and Amira Odisho, MD, Clinical Assistant Professor of Psychiatry and Behavioral Medicine, were awarded VIEWER'S CHOICE AWARD for their poster presentation "Silent Neuroleptic Malignant Syndrome" at the LSU Health Shreveport Research and Industry Day.

Rajkamal Hansra, MD; Miriam Hankins, MD; Nasim Motayar, MD received the 2021 Society of Critical Care Medicine (SCCM) Star Research Achievement Award for the 2021 Virtual Critical Care Congress. The award is intended to recognize excellence in critical care research. Upon review of all submissions, the abstract titled "Safety of Remdesivir and Inhaled Nitric Oxide in a Pregnant Patient with Twins: A Case Report" fulfilled the criteria for the award selection.

Julia Esparza, Associate Director, Health Sciences Library; Kathleen Bloomingdale, Academic Area Coordinator; Montie **Dobbins**, Assistant Director for Technical Services, Health Sciences Library; David **Duggar,** Head, Library Liaison Program; Sarah Jackson, Education Librarian; Terri L.B. Nail, Library Associate; and Will Olmstadt, Executive Director, Health Sciences Library co-authored "Showing Value While Proving Your Own: Identifying An Institution's Intellectual Capital Through a Systematic Approach" to win the Elizabeth K. Eaton Research Award, 3rd Place, for Paper presented at: Annual Meeting of the South Central Chapter of the Medical Library Association; 2020 Oct 26; Virtual Meeting.

Roger E. Kelley, MD, Professor and Chairman of Department of Neurology, was named to the Editorial Board of Journal of Stroke and Cerebrovascular Diseases which is a prestigious internationally circulated journal.

Michael Madden, MD, Director Emeritus and Clinical Associate Professor of Family Medicine Residency Program in Alexandria, was appointed to the Performance Improvement Council and the Family Medicine Department for Rapides Regional Medical Center. Madden was also appointed to serve on the Ethics Committee.

Imtiaz Khali and **Siyuan Cheng**, both Graduate Students in the Biochemistry and Molecular Department were awarded the Carroll Feist Predoctoral Fellowship Award in the amount of \$28,000.

Linda Rubio, Graduate Student in the Biochemistry and Molecular Biology Department was awarded the Ike Muslow Predoctoral Fellowship in the amount of \$28,000.

Lynn Harrison, PhD, Professor of Molecular and Cellular Physiology, was appointed Chairwoman of the Space Biology Beyond Low Earth Orbit Project (BLP) Science Working Group. This group of scientists focus on types of organisms and technology that could be used in experiments on unmanned missions, similar to those used on lunar landers.

Lynn Harrison, PhD, Professor of Molecular and Cellular Physiology, recently worked at the Kennedy Space Center in the Microgravity Simulated Support Facility to examine the effects of simulated microgravity on DNA damage and repair in neuronal-like cells.

Cherie-Ann Nathan, MD, FACS, Jack Pou Endowed Professor and Chair of Otolaryngology-Head & Neck Surgery, was elected to the Board of Governors of the American Surgical Society for an initial threeyear term ending at the conclusion of the 2023 Clinical Congress.

Rebecca Wilder, OTD, LOTR, Instructor of Occupational Therapy, was awarded the 2020 Outstanding New Faculty Award.

Adam Blancher, PhD, Counseling Psychologist, Clinical Associate Professor, was awarded the 2020 Excellence in Service Award.

Michelle Yetman-Katz, PhD, Clinical Psychologist, Clinical Assistant Professor, was awarded the 2020 Excellence in Research Award.

Martin Sapp, PhD, Department Chair and Willis-Knighton Chair of Molecular Biology, served as Vice Chairman for the past four CSR VIRA Virology study sections

PUBLICATIONS

Kim Jackson, Allergy & Immunology Fellow and Sami Bahna, MD, DrPH, Professor of Pediatrics and Medicine, Chief of Allergy & Immunology Section: "Hypersensitivity and other adverse reactions to biologics for asthma and allergic diseases," *Expert Review of Clinical Immunology.* 16:311-319, 2020.

Dee Jones, Associate Librarian Emerita, Health Sciences Library: "Shreveport Physicians 1835-1950: A Directory," Shreveport, LA: Nob Hill Press, 2020

Changwon Park, PhD, Associate Professor of Molecular and Cellular Physiology, et. al.: "B-Y. MicroRNA-98 reduces nerve growth factor expression in nicotine-induced airway remodeling," *Journal of Biological Chemistry*. 295(52):18051-18064. (2020) DOI: 10.1074/jbc. RA119.012019.

Patrick A. Massey, MD, Program Director; Mitchell Myers, MD, PGY4; Kaylan McClary, MD, PGY5; Jimmy Brown; R. Shane Barton, MD, Chairman; Giovanni F. Solitro, PhD, Biomechanics Lab Director; et. al.: "Biomechanical Analysis of Patellar Tendon Repair With Knotless Suture Anchor Tape Versus Transosseous Suture," Orthopaedic Journal of Sports Medicine. (2020). 8(10), 232596712095480. DOI: 10.1177/2325967120954808

Sean Holmes, MD; Mickie Hamiter, MD; Camille Berry, AuD; Gauri Mankekar, MD, PhD: "Tissue Preservation Techniques for Bone-Anchored Hearing Aid Surgery," Journal: Otology & Neurotology. Accepted for publication 12/2020

Cherie-Ann Nathan, MD, FACS, Jack
Pou Endowed Professor and Chair of
Otolaryngology-Head & Neck Surgery, et. al.:
"Head and Neck Cancer Care in a Pandemic:
Prioritizing Safe Care," Contributors represent
the heads of renowned departments in
leading institutions, residents, fellows, and
medical students on the front lines of the
pandemic. While providing vital and timesensitive cancer patient care, the authors
have documented lessons learned battling
serious diseases and co-morbidities during
the COVID-19 emergency.

Cherie-Ann Nathan, MD, FACS, Jack Pou Endowed Professor and Chair of Otolaryngology-Head & Neck Surgery, et. al.: "Comparison of survival estimates following recurrence, persistence or second primary in oropharyngeal squamous cell carcinoma," Otolaryngoly-Head & Neck Surgery, September 2020

Cherie-Ann Nathan, MD, FACS, Jack
Pou Endowed Professor and Chair of
Otolaryngology-Head & Neck Surgery, et. al.:
"Delayed Infection of Porous Polyethylene
Implants After Oncologic Maxillectomy and
Reconstruction: Two Case Reports and Review
of Literature," ENT 2020.

Sean Holmes, MD; Mickie Hamiter, MD; Camille Berry, AuD, Gauri Mankekar, MD, PhD: "Tissue Preservation Techniques for Bone-Anchored Hearing Aid Surgery," *Otology* & Neurotology. December 2020

Jonathan Berry, MD; Cherie Ann Nathan, MD; Ashley B. Flowers, MS; Gauri Mankekar, MD: "Primary facial nerve paraganglioma: report and review of the literature," *BMJ Case Reports*. Mansoureh Barzegar, Physiology Graduate Student; Yuping Wang, MD, Professor of Clinical Obstetrics and Gynecology; Randa S. Eshaq, Physiology Fellow; Jungmi W. Yun, Physiology Fellow; Luke A. White, Graduate Assistant; Oleg Chernyshev, MD, Associate Professor of Neurology and Sleep Medicine, et. al.: "Human placental mesenchymal stem cells improve stroke outcomes via extracellular vesicles-mediated preservation of cerebral blood flow," *EBioMedicine Lancet*. 2020 Dec 18;63:103161.

Tyler Reekes, BS, Graduate Student Disbrow Lab; Christina Ledbetter, PhD,
Fellow in the Department of Neurosurgery;
Niroshan Sathivadivel, MD, Psychiatry
& Behavioral Medicine Resident; Richard
Zweig, MD, Professor of Neurology;
Elizabeth Disbrow, PhD, Associate
Professor of Neurology and CBH Director;
et.al.: "Sex specific cognitive differences in
Parkinson Disease," npj Parkinson's Disease.
6, Article number: 7 (2020). DOI: 10.1038/
s41531-020-0109-1.

Donard S Dwyer, PhD, Professor of Psychiatry and Behavioral Medicine; Claire Franklin: "Candidate Risk Genes for Bipolar Disorder are Highly Conserved During Evolution and Highly Interconnected," *International Journal of Psychiatry and Neurosciences*. September 21, 2020. DOI: 10.1111/bdi.12996/PMID: 32959503.

Amber Edinoff, MD, PGY-III, Psychiatry and Behavioral Medicine, Miriam Ruoff, MD; Yahya Ghaffar, MD; Arthur Rezayev, MD; et. al.: "Cariprazine to Treat Schizophrenia and Bipolar Disorder in Adults," *Psychopharmacol Bull.* 2020 Sep 14;50(4):83-117.

Amber Edinoff MD, PGY-III, Psychiatry and Behavioral Medicine; and Mary Jo Fitz-Gerald MD, Professor of Psychiatry and Behavioral Medicine and Clinical Specialist; et. al.: "Framework For Creating An Incident Command Center During Crises," *Neurology International* Volume 12, Issue 3 - 2020.

Amber Edinoff MD, PGY-III, Psychiatry and Behavioral Medicine and Niro Sathivadivel MD, PGY-I, Psychiatry and Behavioral Medicine, et. al.: "Chronic Pain Treatment Strategies In Parkinson's Disease," Neurology International Volume 12, Issue 3 - 2020.

Publications continued

Maxine Zhou, MD, PGY-III, Psychiatry and Behavioral Medicine; Sahar Derakhshanian, MD, PGY-II, Psychiatry and Behavioral Medicine; Alexander Rath, MD, PGY-II, Psychiatry and Behavioral Medicine; Aja Menard, MD, Clinical Assistant Professor of Psychiatry and Behavioral Medicine; et. al.: "Asenapine Transdermal Patch for the Management of Schizophrenia," *Psychopharmacol Bull.* 2020 Sep 14;50(4):60-82.

Amber Edinoff, MD, PGY-III, Psychiatry and Behavioral Medicine; et. al.: "Lumateperone for the Treatment of Schizophrenia," *Psychopharmacol Bull.* 2020 Sep 14;50(4):32-59.

Amber Edinoff, MD, PGY-III, Psychiatry and Behavioral Medicine; and Nancy Silverblatt, MD, Clinical Assistant Professor of Psychiatry and Behavioral Medicine; et. al.: "Hyperprolactinemia, Clinical Considerations, and infertility in Women on Antipsychotic Medications," *Psychopharmacology Bulletin*, Vol 51. No 2. 2021-In press.

Amber Edinoff, MD, PGY-III, Psychiatry and Behavioral Medicine; and Amira Odisho, MD, Clinical Assistant Professor of Psychiatry and Behavioral Medicine; et. al.: "Brexpiprazole for the Treatment of Schizophrenia and Major Depressive Disorder: A Comprehensive Review of Pharmacological Considerations in Clinical Practice," *Psychopharmacology Bulletin*, Vol 51. No 2. 2021-In press

Amber Edinoff, MD, PGY-III, Psychiatry and Behavioral Medicine; and Long Nguyen, MD, PGY-I, Psychiatry and Behavioral Medicine; et. al.: "Lamotrigine and Stevens-Johnson Syndrome Prevention," *Psychopharmacology Bulletin*, Vol 51. No 2. 2021- in press.

Amber Edinoff, MD, PGY-III, Psychiatry and Behavioral Medicine; and Mark Cogburn, DNP, PhD, APRN, LMFT, Clinical Professor of Psychiatry and Behavioral Medicine, Psychiatry and Behavioral Medicine; et. al.: "Zolpidem: Efficacy and Side Effects for Insomnia," *Psychopharmacology Bulletin*, Vol 51. No 2. 2021

Michelle Yetman-Katz, PhD, Clinical Psychologist, Clinical Assistant Professor; Adam Blancher, PhD, Counseling Psychologist, Clinical Associate Professor; et. al.: "An overview of therapeutic interviews for individuals with autism spectrum disorders and other neurodevelopmental disorders," (2021) P. McPherson (Ed). Treatment of Developmental Disabilities.

Michelle Yetman-Katz, PhD, Clinical Psychologist, Clinical Assistant Professor; Adam Blancher, PhD, Counseling Psychologist, Clinical Associate Professor; et. al.: "A Health & Wellness Intervention Pilot Program: Evaluating Participation & Self-Reported Behavioral Change Among Head Start Teachers," Journal of Health, Wellness & Society, Vol 11 (1), p. 23-34. (Nov. 2020).

Patrick Gellings, PhD and Ashley Wilkins, Graduate Student in Microbiology & Immunology, published a review article titled "Recent advances in the pursuit of an effective Acinetobacter baumannii vaccine," Published December 19, 2020, in a special issue (Human Pathogens) in the MDPI Pathogens journal.

Peter H. Seidenberg, MD, MA, FAAFP, FACSM, RMSK, Professor and Chair of Department of Family Medicine; et. al.: "Brain Perfusion Bridges Virtual-Reality Spatial Behavior to DARC and TPH2 Genotypes for Head Impacts," *Journal of Neurotrauma*. Accepted for publication Nov 20.

Comments or suggestions for improving this publication should be sent to lbabi6@lsuhsc.edu

Peter H. Seidenberg, MD, MA, FAAFP, FACSM, RMSK, Professor and Chair of Department of Family Medicine; et. al.: "Brain Perfusion Mediates the Relationship between miRNA Levels and Postural Control," *Cerebral Cortex Communications*. October 2020; doi: 10.1093/texcom/tgaa078.

Peter H. Seidenberg, MD, MA, FAAFP, FACSM, RMSK, Professor and Chair of Department of Family Medicine; et. al.: "Effect of subconcussive impacts on functional outcomes over a single collegiate football season," *Journal of Concussion*. December 2020.

PRESENTATIONS

Pamela McPherson, MD, FAPA, Gratis
Associate Professor of Psychiatry and
Behavioral Medicine, presented the keynote
at the 2020 Pediatric Global Health Summit
"Human Migration and Child Health" on
October 20, 2020. Dr. McPherson's keynote
presentation was titled: "Advocating for
Children in Immigrant Detention: Subject
Matter Expert to Whistleblower." She also
co-led the panel discussion "At the US-Mexico
Border: Bearing Witness to the Humanitarian
Crisis and Its Ripple Effects."

Sami Bahna, MD, DrPH, Professor of Pediatrics and Medicine, Chief of Allergy & Immunology Section, invited Keynote for presentation entitled, "Infant Formulas: Optimal Choices for Food Allergy Treatment versus Prevention," at the Annual Pediatrics and Neonatology Summit, Dec. 2-4, 2020.

E.J. Mayeaux, Jr., MD, Professor of Family Medicine, Associate Vice Chancellor for Clinical Affairs, Senior Associate Dean for Population Health and Primary Care, Ochsner-LSUHS Primary Care Service Line Physician Lead, taught virtual courses for the ASCCP Comprehensive Colposcopy Online course. Dr. E.J. Mayeaux, who is a past-president of the society, instructed the following courses: Colposcopy of the Abnormal Transformation Zone; ASCCP Risk Based Guidelines; Cervical Cancer Screening New Approaches; Colposcopy-The Procedure, and a case based Breakout-Cases and Slide Identification.

E.J. Mayeaux, Jr., MD, taught at the virtual American Academy of Family Physicians Family Medicine Experience (FMX). Dr. Mayeaux has been a regular speaker at the AAFP Scientific Assembly (now FMX) since 1992. Dr. Mayeaux taught courses on Abnormal Uterine Bleeding; HPV, Pap Test & Cervical Cancer; Nail Procedures: Best Practices and Updates; Sexually Transmitted Infections; and Soft Tissue Surgery: Fundamentals.

E.J. Mayeaux, Jr., MD, was the guest speaker for the University of Louisiana at Lafayette UNIV 100 Course: Go Change the World! The course is designed to give students opportunities to explore service as a life-long endeavor. Dr. Mayeaux spoke with the students virtually about choosing careers, medicine as a profession, and keys to successful application to medical school.

Steve Alexander, PhD; Professor, Physiology and the members of the DEVICE group submitted a total of 5 technology disclosures with Gianfranco Solitro, PhD and Steven Conrad MD, PhD.

Vinita Batra, PhD, Fellow, Post-Doc
Research; Christina Ledbetter, PhD, Fellow
in Neurosurgery, Research Consultant in
Psychiatry and Behavioral Medicine; James
C. Patterson II, MD, PhD, Professor and
Chair of Psychiatry and Behavioral Medicine,
Christus Schumpert Endowed Chair of
Neurobiology, Professor of Pharmacology,
Toxicology and Neuroscience; Elizabeth
Disbrow, PhD, Associate Professor of
Neurology, Director of Center for Brain Health;
et. al.: Abstract: "Basal Ganglia Amyloid Beta
Accumulation and Cognitive Dysfunction
in Parkinson Disease," 2020 Research and
Industry Day, LSU Health Shreveport.

Juliana Fort, MD, MPH, MBA, Gratis Clinical Associate Professor of Psychiatry and Behavioral Medicine, presented a workshop, "Ideas from the Expressive Art Therapies for Adolescent Groups" at the 2021 Adolescent Symposium of Texas Virtual Conference on February 21, 2021. www.mhadallas.org/adolescent-symposium.com.

Pamela K. McPherson, MD, FAPA, Gratis Associate Professor of Psychiatry and Behavioral Medicine, presented "Managing Burnout: Moving Forward from Corona" at The American Society of Interventional Pain Physicians Annual Meeting Keynote Address held virtually September 4, 2020.

Pamela K. McPherson, MD, FAPA, Gratis Associate Professor of Psychiatry and Behavioral Medicine, presented "Whistleblowing and Ethics: An Investigation of ICE Detention Centers" at Southern Psychiatric Association Annual Meeting held

virtually September 22, 2020.

Michelle Yetman-Katz, PhD, Clinical Psychologist, Clinical Assistant Professor and Adam Blancher, PhD, Counseling Psychologist, Clinical Associate Professor; et.

Psychologist, Clinical Associate Professor; et. al.: "Diet, Exercise and Pre-existing Conditions Among Head Start Teachers in Caddo Parish, Louisiana," Presented virtually at Research and Industry Day (RAID), Louisiana Tech University. November 2020.

Michelle Yetman-Katz, PhD, Clinical Psychologist, Clinical Assistant Professor and Adam Blancher, PhD, Counseling Psychologist, Clinical Associate Professor; et. al.: "Racial Disparities Among the Physical and Mental Health of Head Start Staff," Paper presented at the Tenth International Conference on Health, Wellness & Society, Universite de la Sorbonne Nouvelle, Paris, France. September 2020.

Peter H. Seidenberg, MD, MA, FAAFP, FACSM, RMSK, Professor and Chairman of Department of Family Medicine; et. al.: "Emesis - Football," American College of Sports Medicine 67th Annual Meeting, May 2020.

Peter H. Seidenberg, MD, MA, FAAFP, FACSM, RMSK, Professor and Chairman of Department of Family Medicine; et. al.: "Toe Pain - Softball," American College of Sports Medicine 67th Annual Meeting, May 2020.

Peter H. Seidenberg, MD, MA, FAAFP, FACSM, RMSK, Professor and Chairman of Department of Family Medicine; et. al.: "Does Poor Recovery Predict Injury in the Division 1 Female Collegiate Lacrosse Athlete?" Research Podium Presentation, American College of Sports Medicine 67th Annual Meeting, May 2020.

Peter H. Seidenberg, MD, MA, FAAFP, FACSM, RMSK, and Mark S. Johnson, MD, MPH, Professor and Chairman of Department of Family Medicine: "ADFM Hot topic discussions — Effective Recruitment of Minorities into Research."

GOLD HUMANISM HONORS SOCIETY

STUDENTS OF THE MONTH

October — LeAnn Daggett November — Leah Kaplan December — Stephen Patin

SAGE Honor Society STAR

SAGE is an honorary and service organization composed of medical students from all four years, each selected by members of the Curriculum Evaluation Committee. Each month, SAGE honors the teaching excellence of LSUHS faculty, residents and interns with the Superior Teaching Award and Recognition (STAR).

October — Michael Sewell, MD

Clinical Associate

Professor, Section

Professor, Section Chief for Division of Internal Medicine / Hospitalist

Program

November — Oleg Chernyshev, MD

Associate Professor of Neurology and Sleep Medicine

December — Sumitra Miriyala, PhD

Assistant Professor of Cellular Biology & Anatomy

Peter H. Seidenberg, MD, MA, FAAFP, FACSM, RMSK, Professor and Chairman of Department of Family Medicine; et. al.: "Building Research Capacity Workshop," Family Medicine Education Consortium 2020 Annual Meeting, Nov. 12, 2020.

Pamela K. McPherson, MD, FAPA, Gratis
Associate Professor of Psychiatry and
Behavioral Medicine presented the keynote
at the 2020 Pediatric Global Health Summit
"Human Migration and Child Health" on
October 20, 2020. Dr. McPherson's keynote
presentation was titled: "Advocating for
Children in Immigrant Detention: Subject
Matter Expert to Whistleblower." She also
co-led the panel discussion "At the US-Mexico
Border: Bearing Witness to the Humanitarian
Crisis and Its Ripple Effects."

Amber Edinoff, MD, PGY-III, Psychiatry and Behavioral Medicine; Hamza Mohammad-Amin, MD, PGY-II, Psychiatry and Behavioral Medicine; Amira Odisho, MD, Clinical Assistant Professor of Psychiatry and Behavioral Medicine, Awarded VIEWER'S CHOICE AWARD for their poster presentation, "Silent Neuroleptic Malignant Syndrome" at the LSU Health Shreveport Research and Industry Day on November 6, 2020 in Shreveport, LA.

INTERNATIONAL OUTREACH

Sami BPahna, MD, DrPH, Professor of Pediatrics and Medicine, Chief of Allergy & Immunology Section, was invited to make two presentations, "Allergy to antihistamines" and "Serious drug reactions," at the Annual Congress of the Argentine Association of Allergy & Clinical Immunology, Buenos Aires, November 21-23, 2020.

RESARCH RECAP

Xiaohong Lu, PhD, Assistant Professor of Pharmacology, Toxicology and Neuroscience, was awarded \$749,996.01 from NASA for his project, "Develop a novel single-cell biodosimetry for brain genomic instability and neurodegeneration to predict clinical health outcomes in human spaceflight crews."

Kevin Murnane, PhD, Associate Professor of Pharmacology, Toxicology and Neuroscience, Associate Professor of Psychiatry, Director of Basic Science Research for Louisiana Addiction Research Center was awarded \$10,000 by the Community Foundation for new equipment.

Congratulations to the research group representing LSU Health Shreveport. Their paper entitled 3D Printing for Bio-Synthetic Biliary Stents - https://www.mdpi.com/2306-5354/6/1/16 - is among the candidates being considered for the 2020 Bioengineering Paper of the Year. MDPI, a pioneer in scholarly open access publishing, has supported academic communities since 1996. Based in Basel, Switzerland, MDPI has the mission to foster open scientific exchange in all forms, across all disciplines. This year, the publication is selecting and announcing the "Best Paper Award 2020" for their journal Bioengineering.