

Agenda Item No.

## **AGENDA ITEM BRIEFING**

**Submitted by:** Michael K. Young, President  
Texas A&M University

**Subject:** Granting of Faculty Development Leave for FY 2020, Texas A&M University

### **Proposed Board Action:**

Authorize faculty development leave for FY 2020 at Texas A&M University (Texas A&M).

### **Background Information:**

System Policy [31.03, Leaves of Absence](#), and System Regulation [12.99.01, Faculty Development Leave](#), require that a recommendation for faculty development leave be submitted by the university president to the chancellor for recommendation to the Board of Regents for approval. At Texas A&M, the application is submitted with support of the academic department, college dean, university development leave committee (elected by the general faculty), provost and executive vice president for academic affairs and president.

As shown in the exhibit, Texas A&M requests approval for faculty development leave for 70 faculty members for FY 2020.

Texas A&M is in compliance with the statutory requirement that no more than six percent of eligible faculty be on development leave at any time.

### **A&M System Funding or Other Financial Implications:**

No additional funding is required. Department faculty members are assuming the recommended faculty members' teaching loads by adjusting course offerings the next academic year.

Agenda Item No.

**TEXAS A&M UNIVERSITY**

Office of the President

October 31, 2018

Members, Board of Regents  
The Texas A&M University System

Subject: Granting of Faculty Development Leave for FY 2020, Texas A&M University

I recommend adoption of the following minute order:

**“The Board of Regents of The Texas A&M University System, in accordance with System Policy 31.03, System Regulation 12.99.01 and Sections 51.101-108 of the Texas Education Code, authorizes faculty development leave to the faculty members as shown in the attached exhibit, Faculty Development Leave List FY 2020, Texas A&M University.”**

Respectfully submitted,

Michael K. Young  
President

**Approval Recommended:**

**Approved for Legal Sufficiency:**

---

John Sharp  
Chancellor

---

Ray Bonilla  
General Counsel

---

Billy Hamilton  
Deputy Chancellor and  
Chief Financial Officer

---

James R. Hallmark, Ph.D.  
Vice Chancellor for Academic Affairs

**FACULTY DEVELOPMENT LEAVE LIST  
FY 2020  
TEXAS A&M UNIVERSITY**

Name/ Title/ Department	Years of Texas A&M Tenured, Tenure- Track Service	Semester of Leave	Location and Brief Description of Leave
<b>BUSH SCHOOL OF GOVERNMENT AND PUBLIC SERVICE</b>			
Ann O'M. Bowman Professor Public Service and Administration	10	Spring 2020	Dr. Bowman's leave will take place in College Station, Texas, researching the amount of power and authority American state governments give to their local governments. The allocation of power has implications for the efficiency and effectiveness of state and local governments and their responsiveness to the public. The leave will benefit Dr. Bowman's research program, enhance her teaching of related graduate courses, and complement the Bush School's expanded emphasis on state and local government. The potential application of the research findings in the public sector is a longer-term benefit, one that reflects Texas A&M's mission.
<b>COLLEGE OF AGRICULTURE AND LIFE SCIENCES</b>			
Vladislav M. Panin Professor Biochemistry and Biophysics	16	Fall 2019	Dr. Panin's leave will take place at the University of Copenhagen, in Denmark, in a world-renowned laboratory that develops unique multidisciplinary strategies for glycoproteomic analyses. These strategies are highly relevant for National Institutes of Health supported projects on muscular dystrophy in Dr. Panin's laboratory. Leave activities will include the investigation of genes involved in human diseases. The leave will benefit not only the research in Dr. Panin's laboratory, but also the broader Texas A&M academic community by making new expertise available to other researchers, facilitating research and funding in novel biomedical areas, enhancing student education in biomedical fields, establishing collaborations with international scientists, and promoting the international reputation of Texas A&M.

James F. Petrick Professor Recreation, Park, and Tourism Sciences	19	Fall 2019	Dr. Petrick's leave will take place in College Station, Texas. His time will be spent formulating a research team to study the physiological benefits of travel. This team will work on completing research articles from the preliminary data that has been collected over the past 12 months. These findings will be used by the research team to seek external funding from sources including the National Institutes of Health. It is believed this area of inquiry will greatly benefit the field and Texas A&M.
Vijay P. Singh Distinguished Professor Biological and Agricultural Engineering	12	Fall 2019	Dr. Singh's leave will take place at the National Institute of Hydrology and the Indian Institute on Technology, both located in Roorkee, India. Dr. Singh will collaborate with scientists and faculty on the modeling of simultaneous occurrences of natural disasters, such as extreme winds and rains, and heat waves and drought. The collaboration will lead to joint publications. The benefits for the College of Agriculture and Life Sciences and Texas A&M include opening new opportunities for institutional research collaboration, student exchange, and developing joint research projects.
Hojun Song Associate Professor Entomology	3	Spring 2020	Dr. Song's leave will take place at the Commonwealth Scientific and Industrial Research Organisation's Australian National Insect Collection in Canberra, Australia, where he will study and describe new species of Australian grasshoppers. Dr. Song's research focuses on documenting the biodiversity of grasshoppers and will initiate a process of restoring taxonomic expertise in Australian grasshoppers. The benefits include the expansion of his research program to a global scale, which will raise the profile of the Texas A&M Entomology Program and provide international educational opportunities for students.
Paul D. Straight Associate Professor Biochemistry and Biophysics	10	Spring 2020	Dr. Straight's leave will take place at the University of Toronto, Canada, working with Dr. Amy Caudy, an internationally recognized leader in metabolomics. Dr. Straight's research led to the discovery of metabolic adaptations that promote antibiotic resistance in bacteria. While on leave, Dr. Straight will develop subsequent studies to generate large-scale metabolic datasets that will require specialized mass spectrometry and computational analysis. Dr. Straight's developmental leave will benefit his research, the teaching mission of his department, and the strategic vision of the university.

<b>COLLEGE OF ARCHITECTURE</b>			
Liliana O. Beltrán Associate Professor Architecture	16	Fall 2019	Dr. Beltran's leave will take place in Kyoto, Tokyo, and Osaka, Japan, where she will quantitatively and qualitatively study good quality lighting in contemporary Japanese buildings. In doing so, she will strengthen relationships with colleagues at Ritsumeikan University to be better able to pursue collaborative peer-reviewed publications and research grants. Dr. Beltran's research outcomes will be submitted for publication to benefit the department and university with new collaborative grant possibilities. The resulting publications will further strengthen Texas A&M's position to provide thought, leadership and research excellence in the daylighting field.
Jinsil H. Seo Associate Professor Visualization	7	Fall 2019	Dr. Seo's leave will take place at the Korea Advanced Institute of Science & Technology (KAIST) located in Daejeon, Republic of Korea, to conduct collaborative research with faculty members in the human computer interaction program within the Department of Industrial Design (ID). ID KAIST serves as a world-leading research-centered design education program in interaction design and mixed reality. Dr. Seo will expand her research through various collaborative and educational activities. She will develop new interactive immersive designs supporting users' communication and embodiment in education and health contexts. The outcomes from the development will benefit her students, the department, and the university.
<b>COLLEGE OF EDUCATION AND HUMAN DEVELOPEMENT</b>			
Michael M. Beyerlein Professor Educational Administration and Human Resource Development	5	Fall 2019	Dr. Beyerlein's leave will take place in College Station, Texas, with brief trips to Wichita State University, Kansas, and Lousiana State University, Lousiana. This will enable expanded research about teams as engines of learning and creativity. His primary projects include the study of student teams participating in intense design weekends called Aggies Invent and the study of interdisciplinary faculty research teams funded by the Texas A&M Triads for Transformation (T3) and X-grants programs. The innovative approach to the student team research has the potential to reframe the way teams are used on campus. The study of faculty teams will generate an assessment system for guiding long-term decision making by the Office of the Vice President for Research.

Jennifer Ganz Professor Educational Psychology	10	Fall 2019 – Spring 2020	Dr. Ganz’s leave will take place in College Station, Texas. Dr. Ganz will conduct data collection/analyses and submit manuscripts for externally-funded projects and submit a proposal to the United States Department of Education on children with autism, families, and educators that require innovative support to ensure positive outcomes, particularly those at-risk and who are minimally or non-verbal. Dr. Ganz’s work will benefit Texas families and educators who will receive direct services or instruction. Dr. Ganz will mentor Texas A&M University graduate students in this research, while advancing the field with regards to educating individuals with autism, which will benefit international researchers. The data collection and produced manuscripts will increase Texas A&M University’s influence via attention garnered from publications and grant proposals.
Wen Luo Associate Professor Educational Psychology	5	Fall 2019 – Spring 2020	Dr. Luo’s leave will take place in College Station, Texas, and Denver, Colorado, to conduct evaluations and write journal articles that examine the model of School Inclusion, the relationship between school, home, community, and child development. In addition, Dr. Luo will submit a grant proposal focusing on methodological issues in analyzing large scale national data. The proposed projects will better position Dr. Luo for future funding, enrich her teaching and mentoring, and increase the visibility of Texas A&M University.
Charles R. Ridley Professor Educational Psychology	11	Fall 2019	Dr. Ridley’s leave will take place in College Station, Texas, and enable Dr. Ridley to complete the development and dissemination of programmatic research concerning The Process Model of Multicultural Counseling Competence. Dr. Ridley aims to produce a series of manuscript submissions, validate the Multicultural Supervisory Evaluation form, complete a series of training module materials, identify potential external funding sources to support future research in this area, and develop a standard of care for diverse populations. The proposed activities will create meaningful opportunities for doctoral students and favorably impact future graduate course offerings.

Jia Wang Professor Educational Administration and Human Resource Development	11	Spring 2020	Dr. Wang's leave will take place at Glasgow Caledonian University (GCU), Scotland, and briefly at University of Southampton (Soton), England. During this leave, Dr. Wang will undertake two international research collaborations – one with Dr. David McGuire (GCU) on workplace civility and the other with Dr. Mina Beigi (Soton) on career choices of international graduates at Soton. The benefits of Dr. Wang's leave include gaining new knowledge and experience through international research collaborations joint manuscript development and establishing relationships with GCU and Soton as two future study-abroad sites for Texas A&M University students.
<b>COLLEGE OF ENGINEERING</b>			
Michael J. Demkowicz Associate Professor Materials Science and Engineering	3	Fall 2019	Dr. Demkowicz's leave will take place in Krakow, Poland. He will develop an open-source software package for materials, and research and publish a peer-reviewed paper on it. These activities will have global impact, clearing the way for new, previously inaccessible materials research. The software will enhance the visibility and prestige of the Materials Science and Engineering Department as well as Texas A&M. It will have a user-friendly interface, making it easy to incorporate into lectures and labs, thereby enhancing materials education. Dr. Demkowicz will also engage with Texas A&M's students spending time abroad in Krakow as part of the College of Engineering's Global Programs.
Thomas K. Ferris Associate Professor Industrial and Systems Engineering	7	Fall 2019 – Spring 2020	Dr. Ferris' leave will take place at the Central Texas Veterans Health Care System (CTVHCS) in Temple, Texas. He will collaborate with CTVHCS researchers to refine a "risk stratification" algorithm used to predict patient care needs and design human-centered cognitive tools employing this algorithm to support scheduling and treatment decisions. Dr. Ferris will gain a deeper understanding of real-world problems facing healthcare systems, thus supporting his research program and providing anecdotes that can enrich his teaching. The Industrial and Systems Engineering Department, College of Engineering, Texas A&M, and affiliated research centers benefit from strengthened connections to a potential source of external research support.
Natarajan Gautam Professor Industrial and Systems Engineering	13	Fall 2019	Dr. Gautam's leave will take place in Berkeley, California, and Los Alamos, New Mexico. He will spend time collaboratively identifying impactful research issues, collecting data, and developing novel methods for energy efficiency in industrial operations with an emphasis on data centers. This experience will give Dr. Gautam the competitive advantage to obtain grants for sponsored projects in the near-term, and subsequently, form a consortium for industrial energy-efficiency research and

			education. Besides developing a sustained research program in a strategic area for Texas A&M, this leave will also benefit students' research and aid in developing teaching materials.
Harvey E. Hawkins, Jr. Professor Civil Engineering	14	Fall 2019 – Spring 2020	Dr. Hawkins' leave will take place in College Station, Texas, to focus on three inter-related activities intended to improve traffic control devices for the traveling public. Dr. Hawkins plans to improve the interactions between connected and autonomous vehicle technologies and traffic control devices, developing a long-range strategic approach to traffic control device research, and contributing to federal rulemaking on traffic control device standards. His leave will enhance Texas A&M's reputation in the transportation field and expand research opportunities to pursue after completion of his leave.
I-Hong Hou Associate Professor Electrical and Computer Engineering	6	Fall 2019 – Spring 2020	Dr. Hou's leave will take place at the University of California (UC), Berkeley, and Intel Labs. In the first half of his leave, Dr. Hou will work with Dr. Varaiya at UC Berkeley to study intelligent transportation systems. In the second half of his leave, Dr. Hou will work with researchers at Intel Labs to develop new algorithms for ultra-low latency applications in emerging fifth generation (5G) wireless networks. Dr. Hou's leave will benefit Texas A&M through potential future collaborative grant proposals with UC Berkeley and funding from Intel.
Sunil P. Khatri Professor Electrical and Computer Engineering	14	Fall 2019	Dr. Khatri's leave will take place at Arizona State University (ASU), Arizona, and at the Air Force Research Laboratory in Rome, New York. Dr. Khatri will collaborate with key ASU researchers and co-develop ideas for hardware machine learning that are hundreds of times more efficient than existing approaches. His objectives are to forge lasting research collaborations in an important growing area, explore long-term funding through this research, and develop new material for a course based on the research conducted. Texas A&M will benefit from the long-term research collaborations, the resulting funding, visibility and academic impact. Texas A&M students will benefit from the new course that will be developed.
Dmitri Loguinov Professor Computer Science and Engineering	16	Spring 2020	Dr. Loguinov's leave will take place in College Station, Texas. The activities will include expanding research capabilities of Texas A&M in areas of resilient storage, scalable data analytics, high-performance computing, and networked systems. The expected benefits include enabling Texas A&M to better compete for external research funding, publications in top conferences/journals, delivery of contemporary material to computer-science courses, better preparation of students for the future data-driven



			technological world, attraction of Texas A&M undergraduates to our Ph.D. program, and ultimately increasing the reputation and research performance of the university.
Rabinarayan N. Mahapatra Professor Computer Science and Engineering	17	Fall 2019 – Spring 2020	Dr. Mahapatra’s leave will take place at the Indian Institute of Technology, Bhubaneswar, India, and Southern University of Science and Technology, Shenzhen, China. The visits will advance Dr. Mahapatra’s research collaboration on data analytic accelerators for embedded systems. The visits will help combine the fundamental research at Texas A&M University with the hosts’ rich experience to develop software architecture and system integration to cope with the challenges in the field of emerging applications of Internet of Things. It will also help recruit top-notch students from the two institutions and increase Texas A&M’s visibility and international reputation.
Gretchen R. Miller Associate Professor Civil Engineering	9	Spring 2020	Dr. Miller’s leave will primarily take place in College Station, Texas, with multi-week visits to the National Center for Atmospheric Research in Boulder, Colorado, and the Pacific Northwest National Laboratory in Benton County, Washington. She will use her leave to complete and submit several publications stemming from recent projects. She also will obtain training on two new software packages used for modeling hydrologic processes. These efforts will benefit Texas A&M by allowing Dr. Miller to submit more competitive grants to agencies such as the Department of Energy, to better train graduate students in advanced modeling technologies, and to enhance research productivity through additional publications.
Vijaykumar G. Panchang Professor Ocean Engineering	16	Fall 2019 – Spring 2020	Dr. Panchang’s leave will take place in London. He will study new degree programs in flood engineering offered jointly by Brunel University London and HR Wallingford and the new “integrated engineering” and “engineering-policy” curricula at University College London. He will also examine engineering similarities between the Thames Estuary barrier upgrades and the Ike Dyke Project proposed for Galveston Bay, and build on his coastal modeling research by incorporating climate change. Texas A&M will benefit through new courses in flood engineering, enhanced research capabilities, and grant opportunities related to flood protection.
Sivakumar Rathinam Associate Professor Mechanical Engineering	9	Fall 2019	Dr. Rathinam’s leave will take place at the Underwater Systems and Technology Laboratory (LSTS) at the University of Porto, Portugal. Dr. Rathinam’s objective is to collaborate with the researchers at the LSTS, formulate new problems, participate in field experiments and publish research articles in Autonomous Underwater Vehicles. The algorithms developed during this collaboration will also lead to the submission of new proposals to the Office of Naval Research and other national laboratories. Teaching

			modules will be added to the courses Dr. Rathinam is currently teaching based on this research collaboration.
Luis A. San Andrés Professor Mechanical Engineering	28	Fall 2019	Dr. San Andrés' leave will take place at Xi'an Jiaotong University in the People's Republic of China. Dr. San Andrés will formalize a long-term collaborative research program in rotating machinery for oil and gas applications, in particular, seals for steam turbines. Dr. San Andrés will visit industries to promote their enrollment in the Texas A&M Turbomachinery Research Consortium and invite their participation at the 2020 TEES Asia Turbomachinery & Pump Symposia scheduled in Kuala Lumpur. The College of Engineering turbo-lab will increase its international footprint and status in various Asian countries.
Hamid A. Toliyat Professor Electrical and Computer Engineering	23	Spring 2020	Dr. Toliyat's leave will take place in College Station, Texas, and Europe. During this leave Dr. Toliyat will work on the second edition of his textbook on digital signal processor-based electromechanical motion control which will help a large number of students taking his course every year. The Electrical and Computer Engineering Department will be benefited by increasing the retention rate of undergraduate students. The leave will benefit the college by attracting more research funding and more domestic students.
Steven M. Wright Professor Electrical and Computer Engineering	30	Fall 2019	Dr. Wright's leave will take place in three locations: ScanMed, Inc., an Aggie-owned company in Nebraska that develops sensors for magnetic resonance imaging (two weeks per month), Houston Methodist Research Institute (one to two days per month), and University of Texas Southwestern Medical Center (one to two days per month). At ScanMed Dr. Wright will develop new coil arrays for multinuclear magnetic resonance imaging (MRI) and magnetic resonance spectroscopy. At the medical centers he will learn the technical requirements for emerging MRI techniques and develop collaborative research proposals. ScanMed owns two clinical MRI scanners and can provide Dr. Wright and his students with unparalleled access to modern MRI technology.
Vladislav V. Yakovlev Professor Biomedical Engineering	7	Fall 2019	Dr. Yakovlev's leave will take place between the Air Force Research Laboratory at Fort Sam Houston, Texas, and the Aston Institute of Photonics Technologies, Birmingham, United Kingdom. He will conduct joint research with their groups in a general area of optics, spectroscopy, microscopy and biophysics. This international and multidisciplinary collaboration will allow him to broaden the application area of advanced spectroscopy methods he has been developing and form new research collaborations, which will further strengthen his research capability, elevate the impact

			of his research, generate new course content and, ultimately, lead to establishing a Department of Defense Center of Excellence in Research and Education at Texas A&M. At Aston University, he will acquire a first-hand knowledge and experience of the strong academic-industry coalition model and utilize those to establish successful translational activities and public outreach at Texas A&M.
Choongho Yu Associate Professor Mechanical Engineering	11	Spring 2020	Dr. Yu's leave will take place in Korea at the Korea Institute of Machinery & Materials and at the Korea Railroad Research Institute. He will conduct collaborative research to expand his research outcomes related to novel nanomaterials to various applications including multi-functional structural batteries for transportation systems as well as catalytic conversion electrodes for carbon dioxide reduction and waste heat recovery. These institutions will provide resources and expertise for testing the novel nanomaterials for the applications, and the outcomes will be essential to attracting research grants and educating students in research and class as well as generating subsequent new research topics and applications.
Wei Zhan Associate Professor Engineering Technology and Industrial Distribution	12	Fall 2019	Dr. Zhan's leave will take place at the University of Alberta, Canada, and the Naval Postgraduate School (NPS), California. Dr. Zhan will visit the University of Alberta to conduct research in fault detection and isolation and application of nonlinear control in chemical process control. He will work in the Department of Chemical and Materials Engineering at the University of Alberta. He will visit the Department of Applied Mathematics at NPS to conduct research in the general area of control system theory and applications. Dr. Zhan will also teach one graduate course at NPS. These activities will enhance his research capability and benefit his teaching at Texas A&M.
<b>COLLEGE OF GEOSCIENCES</b>			
Peter S. K. Knappett Assistant Professor Geology and Geophysics	5	Fall 2019	Dr. Knappett's leave will take place at the Swiss Federal Institute of Aquatic Science and Technology (Eawag) in Dübendorf, Switzerland. During his time there, he will work with an experienced group of geochemist and geospatial modelers to develop a quantitative model of arsenic and fluoride concentrations in response to intensive pumping in Guanajuato, Mexico. Building on this experience, with colleagues at Eawag and Mexico, Dr. Knappett will leverage the growing cross-country groundwater quality database and estimated pumping rates and geology to develop a country-wide arsenic risk map for Mexico.

Charles W. Lafon Associate Professor Geography	18	Fall 2019	Dr. Lafon's leave will take place in College Station, Texas. The leave will advance Dr. Lafon's research on the geography, history, and ecology of wildfire. The leave will enable an expansion in scope and geographic extent of the research. Dr. Lafon will also travel to western U.S. landscapes to develop case studies that enhance his teaching of a hybrid (online/traditional) course in introductory physical geography.
Anne Raymond Professor Geology and Geophysics	35	Spring 2020	Dr. Raymond's leave will take place at Harvard University, Massachusetts, University of Iowa, Iowa, University of Kansas, Kansas, and the Sam Noble Museum – University of Oklahoma, Oklahoma. She will study coal-forming plants from the mid-Pennsylvanian Era (312-308 million years ago) and identify uranium-bearing plant fossils for radiometric age dating. Data generated by Dr. Raymond will form the basis of a collaborative research proposal to determine the age of coals from the U.S. contributing to the global geologic time scale. Skills and research methods developed during this leave will enhance collaborative research at Texas A&M.
Achim Stoessel Associate Professor Oceanography	24	Fall 2019	Dr. Stoessel's leave will take place at the Max-Planck-Institute for Meteorology (MPIM), Hamburg, Germany. During his leave, Dr. Stoessel will investigate the representation of the high-latitude southern ocean in a high-resolution earth system model newly developed at MPIM and compare it with a corresponding state-of-the-art model developed at the Los Alamos National Laboratory (LANL). The proposed leave will foster the ongoing long-term collaboration of Dr. Stoessel with colleagues at MPIM and LANL, inform students on the newest developments in this field, and enhance the visibility of the Department of Oceanography, the College of Geosciences, and Texas A&M.
<b>COLLEGE OF LIBERAL ARTS</b>			
Armando C. Alonzo Associate Professor History	22	Fall 2019	Dr. Alonzo's leave will take place at the University of Texas at Austin and in College Station, Texas. He will write two remaining chapters of the history of development in Texas and Northern Mexico to complete a manuscript. The publication of his book will enhance scholarly visibility of Texas A&M. He will also participate in Atlantic World and Latino/a History network clusters and teach large numbers of majors, congruent with the goals of the department and the college to enhance excellence in undergraduate education.

Heidi A. Campbell Professor Communication	14	Fall 2019 – Spring 2020	Dr Campbell’s leave will take place at Hebrew University in Israel and the Ruhr University-Bochum in Germany. She will conduct research for a book on how popular internet memes and digital images mixed with humorous sayings promote stereotypes about religious groups influencing perceptions of religious minorities in America. This extends her previous research on religious internet memes to consider the broader impact such online discussions have on public understandings of religion. This project will develop a framework to help students in her classes evaluate bias and assumptions presented online and help facilitate discussions about diversity at Texas A&M.
Deborah N. Carlson Associate Professor Anthropology	14	Spring 2020	Dr. Carlson’s leave will take place in Bodrum, Turkey, at the mediterranean research center of the Texas A&M University-affiliated Institute of Nautical Archaeology (INA). Dr. Carlson will use her leave to finalize the cataloging, research, and analysis of archaeological artifacts recovered from a fifth-century B.C. Classical Greek shipwreck excavated by INA and Texas A&M. Once complete, the final excavation report will be submitted for publication in the <i>Ed Rachal Nautical Archaeology Series</i> of TAMU Press. Dr. Carlson’s publication of this unique archaeological assemblage will benefit classical archaeologists, maritime historians, economic anthropologists, and her own graduate students in the nautical archaeology program.
Leighton B. Cooke Professor International Studies	32	Spring 2020	Dr. Cooke’s leave will take place in College Station, Texas, where he will write some case studies of the most performed operas. He will incorporate them, along with revising previously published articles, into a book-length statistical analysis of storylines in opera’s core repertory. His monograph will test major tenets of evolutionary psychology, thus assessing this interdisciplinary field, contributing to the research mission of his college and university and enriching his classes on international artistic culture. By the end of the leave period he will complete a manuscript for submission to publishers.
David A. Donkor Associate Professor Performance Studies	10	Spring 2020	Dr. Donkor’s leave will take place in College Station, Texas. During this time, he will undertake the following activities for a book manuscript: draft one chapter and the introduction and conclusion; revise the complete manuscript; and submit it for publication. The book will benefit his research as a landmark contribution to performance studies that speaks to scholars across several disciplines. It will benefit his teaching and his students with fresh examples of performance and an expanded understanding of the human experience. It will also benefit his department, college, and Texas A&M by creating thorough distinguished research-impactful knowledge that will serve learners for a lifetime.

Susan B. Egenolf Associate Professor English	16	Fall 2019	Dr. Egenolf's leave will take place in College Station, Texas, with research trips to Staffordshire, England, and Birmingham, Alabama. During the leave, Dr. Egenolf will complete the final chapters of her book, " <i>Josiah Wedgwood and the Shaping of British Art and Empire</i> ," a study of the reciprocal relationship between the 18th-century potter, Josiah Wedgwood, and the methods, products, and contemporary literary productions, which together shaped British global trade networks and the politics of empire. She will also collect archival materials and images essential to the project's completion. This research will enrich Dr. Egenolf's teaching and her subsequent publications and presentations, and enhance the reputation of Texas A&M.
Mark Hoekstra Professor Economics	7	Spring 2020	Dr. Hoekstra's leave will take place in Claremont, California. He will work with detailed data on the sex trafficking market collected from law enforcement and meticulous scraping of the internet and dark web. The project will document the determinants of voluntary and trafficked sex provisions and will estimate the effect of anti-human trafficking policies, thereby illuminating a black market for both law enforcement and the public. This leave will put Texas A&M at the forefront of the study of human trafficking and will connect current and future Texas A&M Ph.D. students to new data and data collection methods.
Quan Li Professor Political Science	11	Fall 2019 – Spring 2020	Dr. Li's leave will take place at Universidad Europea de Madrid, Spain. His main activities during the leave include collaborative research on international relations as a Fulbright Scholar, completing a textbook on International Political Economy, and completing a monograph or articles on international investment disputes. These activities will strengthen the reputation of Texas A&M, help students learn about international political economy, and improve scholarly understanding of the government-foreign investor relationship.
Srividya Ramasubramanian Professor Communication	13	Fall 2019 – Spring 2020	Dr. Ramasubramanian's leave will take place at the University of Massachusetts Amherst and the University of California, Santa Barbara. She will collaborate with leading media scholars at the University of Massachusetts Amherst and the University of California, Santa Barbara, during this time. Dr. Ramasubramanian proposes to use this time to complete a book project, author three journal articles, write a new book proposal, and develop a faculty development program on public engagement. By applying the use of quantitative research methods to social justice scholarship in Communication, she will use the leave to propose potentially ground-breaking, timely, and powerful tools and approaches to address important social issues.

James R. Rogers Associate Professor Political Science	23	Spring 2020	Dr. Rogers' leave will take place in College Station, Texas. He plans to write a book on a central, but neglected, topic in the U.S. government's separation-of-power system: the choice Congress has to implement policies through the executive branch bureaucracy or through the judicial branch. Institutional competition between the branches permits Congress to weaken the separation-of-power system. This work continues Dr. Rogers' career-long study of institutional development in the Constitution's separation-of-power system. He teaches both undergraduate and doctoral-level classes in this area; this work will contribute to those classes. The research will bring visibility to the department and university.
Phia S. Salter Associate Professor Psychological and Brain Sciences	8	Fall 2019	Dr. Salter's leave will take place in College Station, Texas, with two exploratory trips to the National Museum of African American History & Culture, Washington D.C., and the DuSable Museum of African American History, Chicago, Illinois. She will use the time to write two grant applications for the National Science Foundation and the Ruth Landes Memorial Research Fund and a substantive review article summarizing the cultural psychology of museum spaces. Successful federal grant applications and top-tier publications benefit Texas A&M by elevating the visibility of the university, college and department.
Susan M. Stabile Associate Professor English	22	Fall 2019	Dr. Stabile's leave will take place in College Station, Texas; Los Angeles, California; and Washington, D.C. She will complete the remaining three essays of her book manuscript, <i>Salvage</i> , and do initial research for her next book, <i>Diptych</i> , at the Getty Research Institute and Smithsonian Museum. <i>Salvage</i> will be submitted for publication to the University of Iowa Press. Portions of <i>Diptych</i> will appear at conferences which will ultimately result in a book publication by a major university press. Both research projects will benefit Dr. Stabile's teaching, resulting in two interdisciplinary classes in Creative Writing and Health Humanities.
Katherine R. Unterman Associate Professor History	7	Fall 2019 – Spring 2020	Dr. Unterman's leave will take place in College Station, Texas. She will be writing a book for Harvard University Press. This manuscript investigates law in the American overseas territories and is based on three years of research at archives in Washington, D.C. and on-site in Puerto Rico, Guam, American Samoa, and the Philippines. Benefits of the proposed leave include the publication of a single-authored monograph with a prominent press, the elevation of Texas A&M's profile within several growing subfields of U.S. history, and increased student engagement with cutting-edge research methods and topics at both the graduate and undergraduate levels.

Joseph D. Ura Associate Professor Political Science	11	Fall 2019	Dr. Ura's leave will take place in College Station, Texas. During his leave, Dr. Ura will complete work on a series of scholarly articles about connections between Supreme Court decision-making and Americans' evaluations of the Court's performance. The articles will investigate how judicial behavior influences public approval of the Supreme Court, dynamics in perceptions that the Court's decisions are "too liberal" or "too conservative," the role citizens' partisan orientations play in their responses to Supreme Court decisions, and an evaluation of the ways that judicial decisions and Supreme Court nominations have evolved as issues in the Republican and Democratic parties. Texas A&M will benefit from this leave by enhancing Dr. Ura's reputation as a leading scholar of interactions between courts and public opinion.
Jyotsna Vaid Professor Psychological and Brain Sciences	32	Spring 2020	Dr. Vaid's leave will take place in Montreal, Quebec, Canada, and New York City, New York. She will consult with researchers in bilingualism and write a systematic review of how the degree of literacy and having a shared vs. distinct orthography affects bilinguals' cognitive and brain functioning. She will also prepare an article based on her work on Hindi/Urdu biscriptal bilinguals. Her formal affiliation with McGill University's Center for Research on Brain, Language and Music will enhance her professional visibility and open up post-doctoral opportunities for her graduate students. It will also enrich her undergraduate courses in the psychology of language and in cognitive neuroscience.
Teresa M. Vilarós Professor Hispanic Studies	8	Fall 2019	Dr. Vilarós' leave will primarily take place in College Station, Texas, to finish her book " <i>Banality and Biopolitics: The Spanish Case (1950-2004)</i> ." She will make short trips to consult special collection documents at the Duke Library, the Pentagon Library, and Television Espanola in Madrid, Spain. The book will be a contribution to the field of Spanish cultural studies as it will propose a novel way to interpret Spanish history since 1950. It will highlight the intellectual life of the department, her students, and Texas A&M.
Michael R. Waters Distinguished Professor Anthropology	33	Spring 2020	Dr. Waters' leave will take place in College Station, Texas. The purpose of the leave is to prepare high-profile publications summarizing four years of interdisciplinary research on the world-class archaeological, paleontological, and paleoenvironmental records at Hall's Cave, Kerr County, Texas. These publications will spotlight the cutting-edge research conducted by the Center for the Study of the First Americans, Department of Anthropology, and College of Liberal Arts, and will be used to facilitate future grant funding and gifts to the Center's endowments. This research will be



			discussed in classes to show the process and value of conducting interdisciplinary research.
<b>COLLEGE OF SCIENCE</b>			
James D. Batteas Professor Chemistry	13	Spring 2020	Dr. Batteas' leave will take place at Texas A&M and the University of Sheffield, United Kingdom (UK). First, Dr. Batteas will establish a new collaborative research project with Dr. Graham Leggett at Sheffield, expanding on his current National Science Foundation-funded research in organic electronics. Second, while abroad, Dr. Batteas will seek to solidify research partnerships in Tribology with Sheffield and Imperial College London. Lastly, while on leave, Dr. Batteas will work to establish student exchange programs between Texas A&M and UK universities to broadly support future collaborative projects.
Anirban Bhattacharya Associate Professor Statistics	5	Fall 2019 – Spring 2020	Dr. Bhattacharya's leave will take place at Stanford University, California; Duke University, North Carolina; and the University of Texas at Austin to visit various collaborators, while also spending time in College Station, Texas, submitting grant proposals, and writing a book. The leave will substantially aid Dr. Bhattacharya in expanding his research program which will generate fresh ideas for research proposals as well as Ph.D. topics for graduate students at Texas A&M. Dr. Bhattacharya also plans to complete writing a book currently in its beginning stages.
Raymond J. Carroll Distinguished Professor Statistics	31	Fall 2019	Dr. Carroll's leave will take place at Johns Hopkins University, Maryland, Biostatistics Department, and at the Division of Cancer Prevention, National Cancer Institute (NCI), Bethesda, Maryland. At Johns Hopkins, he will work with Professors Chatterjee and Crainiceanu on health-related issues in genetics and physical activity. At NCI, he will work with Dr. Kipnis on nutrition, physical activity and cancer. Benefits include writing a research proposal renewing his current grant which has a long history of supporting underrepresented minorities, obtaining new data and ideas for students and teaching, and securing additional funding for his department and college.
Alan Demlow Professor Mathematics	5	Fall 2019	Dr. Demlow's leave will take place at Texas A&M, The Isaac Newton Institute for Mathematical Sciences at Cambridge University (UK), and The International Mathematics Research Center in Oberwolfach, Germany. He will participate in workshops on cutting-edge techniques in computational differential equations at both international venues. His time at Texas A&M will be spent carrying out research related to workshop topics. Expected benefits include enhancement of both Dr. Demlow's research program and Texas A&M's international leadership position in computational

			differential equations. Students will benefit as he incorporates new techniques into courses and graduate student training.
Mikyoung Jun Professor Statistics	5	Spring 2020	Dr. Jun's leave will take place at the School of Statistics, Renmin University of China. She will develop multivariate spatio-temporal point pattern models for massive global rainfall and lightning data and develop novel visualization techniques for spatial-temporal data. New statistical methodologies and scientific findings will be achieved and new teaching materials will be developed. The leave will promote university-wide interdisciplinary collaboration and develop new international collaboration. Research outcomes will be used for training graduate students and course materials. Her activities will greatly enhance opportunities for obtaining collaborative research funding.
Matthias Katzfuss Associate Professor Statistics	5	Fall 2019	Dr. Katzfuss' leave will take place at Cornell University in Ithaca, New York, and at NASA's Jet Propulsion Laboratory (JPL) in Pasadena, California. At Cornell University, new statistical methods for machine learning will be developed. At JPL, spatial statistical techniques will be used to improve retrievals of atmospheric variables based on satellite remote-sensing data. Expected benefits include increased research visibility, diversified and enhanced funding streams, strengthened ties to the involved institutions, and potential future employment opportunities for Texas A&M students at NASA laboratories.
Oleg V. Ozerov Professor Chemistry	9	Fall 2019	Dr. Ozerov's leave will take place at the University of Houston (UH), Texas. Dr. Ozerov will collaborate with Dr. Olafs Daugulis at UH on new challenges in carbon-hydrogen functionalization reactions, especially those concerning the introduction of fluorinated substituents into organic compounds. Dr. Ozerov intends for this collaboration to advance his understanding of organic methodology research which will benefit Texas A&M by broadening his potential for external grant applications and expanding his teaching expertise. Dr. Ozerov also plans to use the leave to write review articles to raise the visibility of his Texas A&M research.
Eric C. Rowell Professor Mathematics	12	Spring 2020	Dr. Rowell's leave will take place in Berkeley, California, at the Mathematical Sciences Research Institute. Dr. Rowell will be an organizer in residence for a semester-long program on "Quantum Symmetries" to be held January-May 2020. His research program, department, college, and university will gain international stature while his students and postdoctoral students included in the activities will benefit from exposure to the world's top researchers in the field. The leave time will allow Dr. Rowell to focus on several long-term projects in an unrivaled research environment.

Hans A. Schuessler Professor Physics and Astronomy	49	Spring 2020	Dr. Schuessler's leave will take place at the Qatar Weill Cornell Medical College; Texas A&M University at Qatar; the Max Planck Institute of Quantum Optics, Germany; RIKEN, a large research institute in Japan; and the High Energy Accelerator Research Organization, Japan. Laser spectroscopies will be applied for human breath analysis in clinical research, for fundamental research of quantum electrodynamics, and the shape and structure of short-lived isotopes. The former benefits human health by reducing negative outcomes through early detection of human diseases. The latter contributes to quantify the basic nuclear and atomic forces. The participating Texas A&M students and postdoctoral students will learn from world-class scientists and participate in an exchange of expertise which will enhance the research and reputation of Texas A&M.
Zhizhang Xie Associate Professor Mathematics	6	Fall 2019	Dr. Xie's leave will take place in Denmark in the Math Department of the University of Copenhagen, one of the leading centers on noncommutative geometry and topology in the world. He plans to use this opportunity to advance the index theory of singular spaces, secondary invariants, and their applications. This visit will provide for direct contact with strong European students who may be interested in pursuing graduate studies at Texas A&M, increase international visibility of Texas A&M and build closer research ties with international institutions.
Guoliang Yu Distinguished Professor Mathematics	6	Fall 2019 – Spring 2020	Dr. Yu's leave will take place at the University of Chicago (UChicago), Illinois. The proposed leave will allow him to collaborate with Dr. Weinberger at UChicago. The collaborations will focus on developing new analytic techniques to solve problems in geometry and topology. The collaborations will also provide an opportunity for Dr. Yu to finish a number of ongoing joint research projects with Dr. Weinberger, facilitate research visits between Ph.D. students and postdoctoral students from Texas A&M and UChicago, and increase the visibility of Texas A&M.

<b>SCHOOL OF LAW</b>			
Cynthia Alkon Professor School of Law	5	Spring 2020	Professor Cynthia Alkon's leave will take place in Dallas/Fort Worth, Texas. The proposed leave will allow Professor Alkon to collect and analyze original data on plea bargaining outcomes for indigent defendants in felony drug cases. The study, tentatively titled, "Does Your Lawyer Make a Difference?" will collect and compare outcomes in cases with public defenders (Dallas County) or private appointed counsel (Tarrant County). The project will culminate in a law review article, articles in professional publications, presentations at conferences, and will contribute to policy discussions and follow-up research and publications based on the findings. Professor Alkon will benefit as this will give her the time to collect and analyze data that is not easily accessible. Texas A&M will benefit as the expected impact and outcomes of this study are to provide new information that will directly aid in the discussions about whether larger counties, like Tarrant County, should adopt a public defender system.
Suraya (Susan) S. Fortney Professor School of Law	3	Spring 2020	Professor Fortney's leave will take place in Fort Worth, Texas, with travel to the offices of lawyers to be interviewed for the proposed empirical study. Professor Fortney will study the effects of law firm organizational structures and compensation systems on lawyers' ethical conduct and malpractice exposure. The empirical project will be a mixed-method study combining interviews and a survey. This project will benefit the School of Law's research program, the university's reputation, students, graduates, law firms, legal malpractice insurers, the legal profession, and the communities that lawyers serve. Findings from the study will help lawyers design compensation systems to promote ethical conduct.
<b>SCHOOL OF PUBLIC HEALTH</b>			
Murray J. Côté Associate Professor Health Policy and Management	8	Spring 2020	Dr. Côté's leave will take place starting January 2020. The leave will take place in Texas with Dr. Côté collaborating with colleagues at the University of Houston and with health systems in rural Texas. He will research the application of operations research methods on health services delivery where he will investigate opportunities to promote and strengthen scientific, academic and industry collaboration. It will enhance Dr. Côté's research agenda by exploring new ideas and potential projects. Texas A&M will benefit through an improved quality of research and teaching program and new graduate students for the School of Public Health.

Y. Alicia Hong Associate Professor Health Promotion and Community Health Sciences	11	Fall 2019	Dr. Hong's leave will take place at the University of Texas School of Biomedical Informatics (SBMI) in Houston, Texas. Through this visit Dr. Hong will explore opportunities to promote and strengthen scientific and academic cooperation between the two institutions. She and fellow researchers at SBMI will develop grant applications on interdisciplinary research on data-informed personalized behavioral intervention. The leave will enhance interdisciplinary research and establish institutional ties between the Texas A&M and SBMI. The college will benefit by having an expert on health informatics, strengthened collaboration in the Texas Medical Center, and an improved research and teaching program.
<b>TEXAS A&amp;M UNIVERSITY AT GALVESTON</b>			
Wesley E. Highfield Associate Professor Marine Science	7	Spring 2020	Dr. Highfield's leave will take place in Washington, D.C., to advance on-going work in the area of flood risk prediction and mitigation. His activities include collaboration with the Insurance and Analytics Branch within the Federal Emergency Management Agency, pursuing new methodological skills focused on machine learning and developing research proposals that integrate these two areas. These activities will benefit his research by bringing novel approaches and new, applied knowledge into the flood risk arena; his teaching through methodological skills that can be integrated into his teaching and graduate mentoring; and the university through new research proposals, enhanced student training, and increased overall visibility.
Hui Liu Associate Professor Marine Biology	6	Spring 2020	Dr. Liu's leave will take place in Japan at Kagoshima University and at the Hong Kong University of Science and Technology in Hong Kong. He currently serves as a U.S. representative on the North Pacific Marine Science Organization, an intergovernmental scientific organization, on zooplankton production. Research during the leave will focus on the effect of climate-related coastal hypoxia and ocean acidification on the planktonic food web production and its implication to fisheries. This leave will benefit his research program in establishing global perspectives and international leadership as well as teaching and mentoring students at Texas A&M University at Galveston.

**UNIVERSITY LIBRARIES**

Heather K. Moberly Professor University Libraries	5	Spring 2020	Ms. Moberly's leave will take place in College Station, Texas, to write a scholarly monograph. Ms. Moberly specializes in teaching veterinarians and their students about a specific research methodology called evidence-based veterinary medicine. This method has five steps, the second of which is searching for appropriate information. Ms. Moberly's proposed book will be an in-depth practical volume about identifying, selecting, and acquiring the best evidence. A review of the current literature shows this book will fill a gap. The project will help improve instruction for students and veterinarians both locally and globally.
Catherine Pepper Associate Professor University Libraries	2	Fall 2019	Ms. Pepper's leave will take place in Portland, Oregon, at Oregon Health Sciences University; in Chicago, Illinois, at the Medical Library Association; and in Austin, Texas. She will conduct qualitative research to determine best practices in teaching evidence-based medicine (EBM). Aims include aligning competencies of medical education accreditation agencies with student learning outcomes and constructing a standardized model for teaching EBM. Ms. Pepper will work on two journal articles, a book, and a book chapter. She will submit abstracts for presentation at national and international conferences. These outputs will make significant contributions to improvement in EBM teaching practice at medical schools and medical libraries.