Person Profile Page Table – Template Mason College of Science

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| **Intro** | |
| **Name\*** | *First M. Last*  Kim L. Blackwell |
| **Photo**  College governance suggests either a standard headshot or action shot is fine if person is recognizable. Ideally all will have a photo. | Photo must be:   * 72 pixels per inch resolution at maximum size * At least 800 pixels wide * RGB color model (not CMYK, which is used for printing) * JPG format * 3 MB maximum file size * Descriptive filenames (not “DSC001.jpg”) * Descriptive alt text for each image for accessibility compliance |
| **Job Title(s)\*** *(how you’d be referenced in an article/press release)**Ability to link* | *Associate Professor, (area of emphasis ex: Biology)*  *Director of STEM Accelerator Program*  (adjuncts can also list their corporate/org. affiliation as well)  *Professor* |
| **Faculty/Staff Type\***  Multi-select allowed | Administrative Faculty  Research Faculty  Staff  Teaching Faculty (including adjuncts) |
| **Affiliations** | |
| **Department(s)\***  Multi-select allowed  If item(s) is not listed, please enter new field(s) under "Other" and separate by comas. | Atmospheric, Oceanic and Earth Sciences (AOES)  Biology  Biomedical Sciences Program  Chemistry & Biochemistry  Computational and Data Sciences  Environmental Science & Policy  Forensic Science Program  Geography & Geoinformation Science (GGS)  Mathematical Sciences  Neuroscience Program  Physics and Astronomy  School of Systems Biology  Smithsonian-Mason School of Conservation  College of Science Administration  Other: Bioengineering |
| **Center(s)**  Multi-select allowed  If your center(s) is not listed, please enter new field(s) under "Other" and separate by comas. | Center for Applied Proteomics and Molecular Medicine (CAPMM)  Center for Collision Safety and Analysis (CCSA)  Center for Computational Fluid Dynamics (CFD)  Earth Observing and Spatial Research, Center for (CEOSR)  Center for Geospatial Intelligence (CGEOINT)  Center for Intelligent Spatial Computing for Water/Energy Science (CISC)  Center for Ocean-Land-Atmosphere Studies (COLA)  Center for Outreach in Mathematics Professional Learning & Educational  Technology (COMPLETE)  Center of Spatial Information Science and Systems (CSISS)  Environmental Science and Technology Center (ESTC)  Micro-Biome Analysis Center (MBAC)  National Center for Biodefense and Infectious Diseases (NCBID)  Potomac Environmental Research and Education Center (PEREC)  Other: Click or tap here to enter text. |
| **Keywords\*** *(this would not be visible on your page, rather how your page will be tagged for filtering and search results, “Ask an Expert”)* | *Identify at least 4-7 (no more than 15) terms to describe your academic/research/outreach focus areas. These keywords will help site users find you and your work.*  Click or tap here to enter text. |
| **Contact Info** | |
| **Office\*** *(both physical office & mailing address)* | *Building, Room #,*  *Mail stop, campus location*  *Krasnow Institute, Room 164* |
| **Email\*** | *Kblackw1@gmu.edu* |
| **Phone\*** | *703-993-4381* |
| **Office Hours**  *Indicate time frames when students/other faculty, staff can reach you. Can update or change whenever.* | Click or tap here to enter text. |
| **Website** | Insehttp://krasnow1.gmu.edu/CENlab/index.html rt URL if available. |
| **Social Media** | *Provide your Twitter/Instagram/Facebook handles (any others?). Please indicate which is which.*  Click or tap here to enter text. |
| **About** | |
| **Education\*** | * *Format: Degree, Emphasis, Institution name, (year).* * *Most recent/Highest education first.*   *Example:*   * *PhD, Emphasis, Institution name, (year)* * *MS, The Ohio State University, (1990)* * *BS, George Mason University, (1988)*   **PhD, Bioengineering,**University of Pennysylvania (1988)  **MSE, Systems Engineering,**University of Pennsylvania (1987)  **VMD, Veterinary Medicine,**University of Pennsylvania (1986)  **BS, Biomedical Engineering,**Boston University (1981) |
| **CV Upload** | *PDF only, -* ***Attach to your response along with this word document.*** |
| **About\***  *Short descriptive paragraph + bullet list of primary responsibilities* | Use this primarily for Staff who do not have Current Research or a Teaching Focus.  Jane Doe is the Office Manager for the College of Science. She maintains the Dean’s schedule and distributes monthly newsletters to faculty and staff. Contact Jane to:   * make an appointment with the Dean * add an announcement to the newsletter * request parking passes for COS guests |
| **Current Research**  *Short descriptive paragraph + bullet list of projects, links to affiliated College centers/Mason institutes, or research topics (partners included) no more than 75-100 words* | Kim Blackwell is a world leader in computational modeling of calcium dynamics and signaling pathways underlying neuronal plasticity.  Her research investigates the mechanisms whereby particular spatio-temporal patterns of inputs produce changes in synaptic plasticity and intrinsic excitability.  As part of this research she creates novel software, both using deterministic approaches and stochastic approaches, either stand-alone or working in conjunction with other neural modeling software, in order to address otherwise intractable problems. |
| **Teaching Focus**  *Short descriptive paragraph + bullet list of courses or topics - ideally no more than ~75-100 words)* | Only list courses taught if this rarely changes. (you would link to syllabi here). Alternately, use language like:  Dr. Smith teaches the introductory data ethics course as well as advanced courses in modeling and simulation. She has more than 12 years of experience teaching and advising students in STEM, both face-to-face and for distance education courses. |
| **Research Areas**  *Include both your specific area of research focus as well as the University’s Institute classifications and scientific disciplines. If specific research area(s) is not listed, please enter new field(s) under "Other" and separate by comas.* | Applied Science  Aquatic Ecology  Artificial Intelligence  Astronomy  Astrophysics  Atmospheric Processes  Atmospheric Science  Autonomous Systems  Bio-health/Health  Biodiversity  Biology  Biomedical Research  Chemistry  Climate Science  Computer Science  Conservation  Cybersecurity  Data Sciences  Digital Innovation  Earth Observation  Engineering  Environmental Science and Policy  Forensic Science  Game Design  Geoinformation Science  Geospatial Intelligence  Healthcare Technology  Materials Science  Math  Medical Proteomics  Modeling  Neuroscience  Nursing  Personalized Medicine  Physics  Planetary Science  Pre-Med  Robotics  Science Education  Simulation  Smart Cities  Sustainability  Other: Click or tap here to enter text. |
| **Selected Publications**  *Citations (with links where possible) of most recent or most prominent published works. 3-5 max* | * Dorman DB, Jędrzejewska-Szmek J, Blackwell KT. Inhibition enhances spatially-specific calcium encoding of synaptic input patterns in a biologically constrained model. Elife. 2018 Oct 25;7. pii: e38588. doi: 10.7554/eLife.38588. * Blackwell KT, Salinas AG, Tewatia P, English B, Hellgren Kotaleski J, Lovinger DM. Molecular mechanisms underlying striatal synaptic plasticity: relevance to chronic alcohol consumption and seeking. Eur J Neurosci. 2019 Mar;49(6):768-783. doi: 10.1111/ejn.13919. * Jȩdrzejewska-Szmek J, Luczak V, Abel T, Blackwell KT. β-adrenergic signaling broadly contributes to LTP induction. PLoS Comput Biol. 2017 Jul 24;13(7):e1005657. doi: 10.1371/journal.pcbi.1005657. * Hawes SL, Salinas AG, Lovinger DM, Blackwell KT. Long-term plasticity of corticostriatal synapses is modulated by pathway-specific co-release of opioids through κ-opioid receptors. J Physiol. 2017 Aug 15;595(16):5637-5652. doi: 10.1113/JP274190. * Jędrzejewska-Szmek J, Damodaran S, Dorman DB, Blackwell KT. Calcium dynamics predict direction of synaptic plasticity in striatal spiny projection neurons. Eur J Neurosci. 2017 Apr;45(8):1044-1056. doi: 10.1111/ejn.13287. |
| **Awards**  *Bullet list of most significant/recent 3-5 max* | * NSF CAREER Award, Computer and Information Science and Engineering Directorate of the National Science Foundation * ASPRS Presidential Citation, American Society for Photogrammetry and Remote Sensing * The VI Talbert Abrams Award, American Society for Photogrammetry and Remote Sensing |
| **Feature Panel** | |
| **Media (Image or Video)** | Credit: Click or tap here to enter text. |
| **Description (maximum: 25 words)** | Title Here  Quick description/Abstract |
| **Link** | Click or tap here to enter text. |