Name: Bokor, Julie

Address: 426 NW 19th Ave, Gainesville, Florida, 32609

Email: julie.bokor@gmail.com

Board Name: Land Conservation Board

Primary Phone:

3523176467

Please list any civic and professional accomplishments/honors, training or experience related to this appointment::

None specific to this position. I have worked with many scientists at UF and in our community related to environmental science through my previous with a UF science outreach center.

Please list any current/previous Advisory Board appointments:

None yet

What Contributions do you feel you could make if you were selected to this board?:

As a life long Floridian, I am concerned about the impact population growth and development are having on our natural systems. The development of sensitive lands in Alachua is yet another example of the loss of ecosystems. I am fairly knowledgable of our Floridan aquifer and surrounding habitats. My science and education training and experience also allow me to engage in discussions with multiple stakeholders at various levels.

Please Agree with the following statements:

I understand this application is the property of Alachua County and subject to public records laws. I hereby certify that the statements made on this application are true and correct. I understand that Appointees to advisory board/committees are required to attend scheduled meetings as specified in the "Guidelines for Citizen Advisory Boards and Committees". I understand that some boards and committees require Financial Disclosure (Chapter 112, Florida Statutes) and I am willing to file if required. I affirm that my personal and business (if applicable) affairs within Alachua County are in substantial compliance with all county regulatory and taxing authorities rules and regulations?:

Yes

Employer :

National Center for Construction Education and Research

Occupation:

Researcher

Are you currently serving, or have you ever served, on an Alachua County advisory board? :

No

Time of Submission: 11/13/24 7:49:51 PM

Attachments

- Bokor resume Nov 2024.pdf
- Bokor CV 2024.pdf

Julie Renee Bokor
Gainesville, Florida
352.317.6467 | julie.bokor@gmail.com
LinkedIn Profile

Dedicated and results-oriented professional with extensive experience in program development, grant management, and scientific research, with a passion for science and environmental education. Proven track record in building and leading cross-functional teams, developing and executing high-impact projects, and managing substantial grant portfolios. Known for a strategic approach to project planning, exceptional stewardship of resources, and commitment to advancing educational goals through innovative program development.

PROFESSIONAL EXPERIENCE

Lead Researcher
National Center for Construction Education and Research | Feb 2024 – Present

- Conducted research on critical industry topics, including diversity in construction and ROI on craftworker training.
- Independently managed and presented findings to diverse stakeholders, enhancing industry awareness and workforce education initiatives.

Project Manager, Federal Grants and Special Programs
Consortium of Florida Education Foundations | Jun 2023 – Sep 2024

- Directed the distribution and implementation of a $21.3 million ESSER grant to foster student resiliency across Florida's schools via 47 local education foundations.
- Launched a $3.4 million initiative in partnership with the University of Florida, increasing statewide enrollment in a K-5 reading program with at-home book delivery.
- Created an online grant portal and optimized fiscal processes, supporting local education foundations in successful program implementation.

Director of Grants, Acquisitions, and Special Projects; Director, Project Development
Alachua County Public Schools | Jan 2022 – Jun 2023

- Led federal grant initiatives, including COVID-19 relief funding, enhancing resource allocation and compliance across departments. Over $60 million in ESSER funding plus an additional $10 million in supplemental funding for out-of-school programming.
- Oversaw $22 million yearly allocations for all entitlement grants including associated program staff in different sites across the district including school-based ESL/ESOL liaisons, migrant education tutors and coordinators, and homeless children and youth advocates.
- Strengthened partnerships with the University of Florida, advancing professional development for teachers and expanding STEM opportunities for students.

Associate Director
University of Florida Center for Precollegiate Education and Training | May 2001 – Mar 2022

- Directed program development and execution, increasing university STEM outreach and engagement to K-12 students and teachers.

- Developed comprehensive learning strategies and implemented virtual learning options to adapt to COVID-19 limitations.
- Oversaw all aspects of grant funding for the center, from idea development to final report.
- Collaborated with faculty and researchers to across STEM disciplines to advance science education and outreach, ultimately expanding the center's reach and impact.
- Worked with 1,000s of K-12 students and teachers over 20 years to increase awareness and understanding of diverse STEM concepts.
- Coordinated multiple professional learning and student enrichment programs each year, from half-day campus visit to seven-week residential research experiences.

EDUCATION

Ph.D. in Curriculum, Concentration in Science Education
University of Florida
M.A.Ed in Science Education
University of Florida
B.S. in Zoology & Microbiology and Cell Science
University of Florida

SKILLS

- **Grant Management**: Adept in federal, state, and foundation grants, with extensive experience in proposal writing, budget management, and compliance.
- **Program Development**: Skilled in conceptualizing and implementing high-impact programs, particularly within education and environmental sectors.
- **Research & Evaluation**: Proficient in designing mixed-methods research for continuous program improvement.
- **Curriculum Development**: Developed curricula integrating university research into accessible science lessons for K-12 formal and informal education.
- **Stakeholder Engagement**: Effective at fostering partnerships across sectors, facilitating program success and community impact.
- **Administration**: Experienced in departmental oversight, strategic planning, and fiscal management.

Julie Renee Bokor
Gainesville, FL 32609 | (352) 317-6467 | julie.bokor@gmail.com

EDUCATION

Ph.D., Curriculum and Instruction, University of Florida, Gainesville 2016
Dissertation: *Developing Design Expertise Through a Teacher-Scientist Partnership Professional Development Program*
M.A.E., University of Florida, Gainesville, 2010 | Area of concentration: Science Education
B.S., University of Florida, Gainesville, 1998 | Major: Microbiology and Cell Science
B.S., University of Florida, Gainesville, 1995 | Major: Zoology

INTERESTS and AREAS OF EXPERTISE

- Mixed methods social and behavioral science research and evaluation, publishing, presenting
- Learning sciences, pedagogy, andragogy, professional learning, blended-learning
- Curriculum development, implementation, and evaluation
- Program and grant management and coordination including program logistics, advertising, budgetary, compliance, evaluation, and reporting
- Administrative experience including operations management, budget development and fiscal oversight, strategic planning
- Education equity and life-long learning

PROFESSIONAL EXPERIENCE

2024 – present
Lead Researcher; National Center for Construction Education and Research, Alachua, FL

- Develop and execute the research mission of non-profit construction education focused on providing industry curricula for craftworker training
- Provide strategic guidance to company leadership team in terms of research direction, topics, processes, and goal
- Manage the research portfolio to include programs, timelines, deliverables of the research department
- Coordinate internal research staff and external research collaborators
- Develop research plans and carry out all phases of original research using mixed methods

2023 – present
Holistic Reviewer; University of Florida, Remote

- Seasonal position, 10-20 hours/week for Fall application review
- Review freshman applications for admission using Slate platform

2023 – 2024
Program Manager; Consortium of Florida Education Foundations, Remote

- Launch and oversee two new awards to the Consortium: 1) $21.3 million award to support the implementation of the new resiliency standards and associated toolkit on CPALMS through the work of local education foundations and 2) $3.4 million annual award from the University of

Florida Lastinger Center for Learning as part of their regional partners to expand awareness and enrollment in the New Worlds Reading Initiative home book delivery program
- Provide internal evaluation by developing an annual member survey to understand the state of Florida's local education foundations and their impacts. Utilizes a mixed methods approach capturing quantitative outputs as well as qualitative goals and outcomes
- With the support of Duke Energy, develop a local science program into a robust curricular unit for state-wide dissemination

2021 – 2023

Director, Grants and Special Projects; Alachua County Public Schools, Gainesville, FL

- Led the district's Project Development department; plan, procure, and direct applications for special programs and projects as well as all federally funded grant programs (entitlement grants including Title I Part C, Title II, Title III, Title IV, and Title IX as well as ESSER and American Rescue Plan covid relief funds) to support, enhance, and innovate educational programs for the students and families of Alachua County; continually manage grant-funded special programs and projects; collaborate with Data Analytics department on the research and evaluation of programs
- Worked with curriculum specialists to develop STEM summer programming at turnaround schools (elementary) and all secondary schools focused on reinforcing content in preparation for FSA and end of course exams
- Supported the expansion of robotics across the district as both in-school and out-of-school initiatives
- Directed funds in support of implementing the B.E.S.T. ELA and Mathematics standards

2017 – 2018

Curriculum Writer and Content Developer, Amco Education, Remote

- Develop multi-unit, year-long consumable inquiry-based science workbooks with integrated math, literacy, and engineering design projects for English Language Learners in Grade 5 and Grade 6

2010 – 2022

Associate Director, Center for Precollegiate Education and Training, University of Florida, Gainesville

- Supervise planning and organization of science professional development programs for over 300 teachers per year
- Lead all aspects of research/curriculum writing experience for up to 10 teachers per summer including research lab placement, instruction on writing curriculum, editing and critiquing teacher curricular units. Funded by two supplemental awards to a translational research grant. Teachers receive three EDG 6905 Independent Research credits.
- Develop and instruct laboratory experiences, particularly molecular biology and biotechnology
- Provide in-class and on-campus assistance to participating teachers and their students
- Write science curriculum translating academic research into classroom-friendly modules, solicit reviewers, revise, and pilot test
- Manage staff of 2-5 undergraduates and three program coordinators

2004 – 2010

Coordinator, Education & Training Programs, Center for Precollegiate Education and Training, University of Florida, Gainesville

- Initiated the Summer Science Institute program. Week-long residential science professional development. Topic and grade level varies. Program serves ~50 teachers annually since 2005.

- Assisted in writing and revising grant proposals
- Developed two-week long residential professional development program for secondary science teachers focused on emerging pathogens. Coordinated all aspects of this program, including creating and scheduling all experiments, lectures, and discussions with science faculty across campus. Created laboratory protocols and lesson plans to facilitate transfer of research to the classroom. Instructed laboratory components. Oversaw the teachers' development of classroom proposals, implementation reports and outcomes, facilitated registration for graduate credit, and maintained all records, reports, website, and communication associated with this grant funded program. 136 teachers successfully completed this grant-funded program between 2008-2012. Participants receive three credits of EDG6931 Biotechnology Education.
- Developed two-week long residential program focused on translational research using the same model as above. 86 teachers successfully completed this grant funded program between 2010-2012. Participants receive three credits of EDG6931 Biotechnology Education.

2001 – 2004

Biological Scientist, Center for Precollegiate Education and Training, University of Florida, Gainesville

- Coordinated all aspects of week-long residential professional development program for high school science teachers focused on environmental toxicology. Served 76 teachers during the four years of the NIEHS grant.
- Developed Mini Medical School program for secondary teachers. Topic changes annually. Registration for this event has increased from less than 20 in 2001 to over 130 in 2012.
- Started a week-long residential science experience for 10th grade students. Two sessions each summer exposing students to various science fields through laboratory visits, experiments, field activities, and discussions with faculty and graduate students. Coordinate all events including housing, dining, and transportation arrangements; hiring and overseeing four counselors; and scheduling all programmatic activities. Serves 48 students each summer since 2001.
- Organized day-long campus visits for secondary science students to explore research laboratories and perform molecular biology and biotechnology experiments.
- Instructed one section of IDH 2931: Honors Seminar in Scientific Inquiry for eight high school dual enrollment students.

2000-2001

Laboratory Technician, Department of Molecular Genetics and Microbiology, College of Medicine, University of Florida, Gainesville

- Genotyping patients using new and published markers
- Analyze public sequence for potential microsatelites
- Perform routine molecular techniques including PCR optimization, agarose and acrylamide gel electrophoresis, radioisotope handling
- Independent work on cardiomyopathy projects to determine inheritance patterns

2000 – 2001

Biological Scientist, Department of Pathobiology, College of Veterinary Medicine, University of Florida, Gainesville

- Manage daily activities of laboratory
- Perform research experiments including RT PCR, cloning, colony hybridization, Southern blots

1998 – 2000

Senior Research Associate, CuraGen Corporation, Alachua, FL

- Extensive use of bioinformatics tools to maintain databases and analyze sequence data
- Supervise and troubleshoot work of technicians
- Performed various molecular biology techniques including PCR, primer design, bacterial transformation, vector construction

RESEARCH EXPERIENCE

2020-2022

Educator customization of traditional (paper, hands-on) and web-based curricular materials

- Using the Knowledge Integration Framework to inform the learning progression of activities, teachers customize materials for their classroom context
- Research theoretical framework considers pedagogical design capacity and the degree teachers adapt materials
- Classroom implementation and data collection with 13 secondary teachers during the 2021/2022 school year

2018-2022

Design, develop, author, and disseminate learning modules employing CT-scanned natural history museum collections

- To achieve the education and outreach goals of the oVert project, modules will be developed to orient multiple users including grade 6-16 learners, technical staff, and researchers to CT-scan specimens and utilize the associated MorphoSource portal to access digital collections
    - Development of initial lessons on evolution and biodiversity
    - Evaluation of usability

2017-2022

Design and implementation of Web-based Inquiry Science Environment platform

- Translate a traditional five-lesson paper-curriculum (authored by self) based on the 2009 dengue outbreak in Key West, Florida into a web-based platform for secondary classrooms
    - Pilot with 24 secondary science teachers and their students in 2018/2019 school year to assess usability of platform and accomplishment of learning goals

2016-2022

Evaluation of the “Drowsy Drosophila” paper curriculum and WISE platform

- Design-based research investigating the impact of the curriculum on students’ understanding and acceptance of evolution, climate change, and different forms of selection
    - Pilot testing with five high school classrooms to assess validity/reliability of instruments

2014 – 2017

Evaluation of the “Chewing on Change” horse evolution curriculum

- Design-based research investigating the impact of the curriculum on students’ understanding and acceptance of evolution

2012 – 2017

Center for Precollegiate Education and Training Programs

- Scaffolding science teacher development through attendance at multiple professional development programs
    - Phenomenography mixed methods study using semi-structured interviews and survey
- Impact of a week-long science immersion program on high school students' perceptions of science and careers
    - Design based research using situated learning perspective.
    - Mixed methods approach employing pre/post assessments, reflective writing prompts, evaluation data, and informal interviews
- Long-term impact of a week-long science immersion program on high school students' academic paths and careers
    - Longitudinal study employing survey design to gather post-program information from Science Quest participants from 2002 – 2011

EVALUATION EXPERIENCE

2018
Summative evaluation for Florida Humanities Council Summer Seminars for High School Students

- Utilized historical and current data from 2014 – 2018 across five program sites, surveys, observation, and informal interviews with each of four stakeholder groups

2018
Formative evaluation of week-long educator professional development program focused on the Tree of Life, genomic tools, and use of museum collections

- Broader impacts component of NSF grant to Drs. Pam and Doug Soltis
- Utilized extended free response pre-knowledge assessment, general program evaluation survey, retrospective pretest

2017 – 2021
Formative evaluation of one-day module with high school students focused on morphodynamics and the impacts of storms on barrier islands

- Broader impacts component of NSF CAREER grant to Dr. Maitane Olabarrieta
- Utilized one prompt pre/post to measure knowledge, used Knowledge Integration Framework to score, general program evaluation survey

TEACHING EXPERIENCE

2001 – 2022
University of Florida Center for Precollegiate Education and Training, Gainesville, FL

- Instructor for IDH 2931: Honors Seminar in Scientific Inquiry for high school students participating in summer-long residential research program
- Instructor for EDG 6905: Lesson Development and Evaluation for secondary STEM teachers participating in summer research and curriculum development program
- Instructor for GMS 7002 Practicum in Biomedical Science for secondary science teachers participating in summer translational research program
- Instructor for Science Explorations for Teachers and Students program – one – three day experiences on campus at the University of Florida, Gainesville and in classrooms across the state incorporating hands-on laboratory experiments aligned with Florida's Next Generation Sunshine State Standards, Advance Placement standards, and Biotechnology course standards

2018, 2014
University of Florida College of Education School of Teaching and Learning, Gainesville, FL

- Instructor – SCE4113L Elementary Science Content
- Develop and instruct all aspects of a laboratory-based science content course for elementary pre-service teachers

2017
University of Florida College of Education School of Teaching and Learning, Gainesville, FL

- Instructor – SCE4310 Elementary Science Methods for the Inclusive Classroom
- Develop and instruct all aspects of science methods course for elementary pre-service teachers

2016
University of Florida College of Education School of Teaching and Learning, Gainesville, FL

- Instructor – SCE5316 Inquiry-based Science Teaching
- Develop and instruct all aspects of an online inquiry science teaching course for in-service teachers in an embedded certificate program

RELATED SKILLS

Familiarity with Sakai, Canvas, and MS Office applications
Development of WISE module (Web-based Inquiry Science Environment)
Familiarity with Adobe Creative Cloud, Google Workspace, Classroom, Canva, Terminal 4
Qualitative research methods and data analysis including use of HyperRESEARCH
Quantitative research methods and statistical analysis including use of SPSS
Development of evaluation plans and logic models
Grant writing and implementation
Budget planning

GRANT INVOLVEMENT

6/2022 – 5/2027 Bokor, J., Koroly, M. J., & Stofer, K. (Role on project – PI) *Biomedical InvestiGATORS.* NIH NIGMS Science Education Partnership Award. $1,327,063 (under review)

12/2021 – 11/2026 Bokor, J., Koroly, M. J., Bowers, D. & Vaillancourt, D. (Role on project – PI). *INterdisciplinary Science Partnerships in Research Education (INSPIRE).* NIH National Institute of Neurological Disorders and Stroke (NINDS) Summer Research Experiences. $528,567 (under review)

1/2021 – 12/2024 Stofer, K., Bokor, J., & Koroly, M. J. (Role on project – CoPI). *Collaborative Curriculum Design for Authentic Agriscience Literacy*. USDA AFRI. $296,586

6/2017 – 5/2022 Blackburn, D. (Role on project – key person, Education and Outreach) *Open Vertebrate: Thematic Collections Network (oVERT)*. NSF Advancing Digitization of Biodiversity Collections. $2,500,000

7/2016 – 6/2022 Koroly, M. J., Morris, J. G., Nelson, D., Crippen, K., & Bokor, J. R. (Role on project – grant co-writer and Co-I) *Collaborating to Advance Teaching and Learning of Science Educators and Students (CATALySES).* NIH NCRR Science Education Partnership Award. $1,207,163

6/2015 – 5/2018 Crippen, K. J., MacFadden, B, Bokor, J. R., & McLaughlin, C. (Role on project – grant co-writer and Co-I) *4D PALEO: 3D Participatory Learning with Big Data About Life Evidence Over Time*. Submitted to National Science Foundation DRK-12 (Discovery Research K-12). $449.934. Unfunded.

6/2014 – 5/2016 Koroly, M. J., Snyder, R. O., McCormick, W., & Crippen, K. J. (Role on project – grant co-writer and key personnel) *Biomedical explorations: bench to bedside, phase II*. NIH NCRR Science Education Partnership Award. $540,000

3/2011 and 2/2012 Koroly, M. J., Snyder, R. O., & Pringle, R. M. (Role on project- grant co-writer and key personnel) *Biomedical explorations: bench to bedside*. NIH NCRR Science Education Partnership Award. Supplemental awards. $228,000

7/2009 – 6/2012 Koroly, M. J., Snyder, R. O., & Pringle, R. M. (Role on project, key personnel) *Biomedical explorations: bench to bedside*. NIH NCRR Science Education Partnership Award. $809,602

09/2008 - 08/2011 Sadler, T., Annetta, L., Ferdig, R. Koroly, M. J., & Snyder, R. (Role on project, key personnel and advisory board) *OUTBREAK: Opportunities to use immersive technologies to explore biotechnology resources, career education and knowledge*. National Science Foundation. $1,489,596.00

9/2007 - 9/2012 Koroly, M. J., Irani, T., & Gallo, M. (Role on project, key personnel) *Interdisciplinary Center for Ongoing Research/Education (ICORE) partnerships: emerging pathogens*. Howard Hughes Medical Institute, Precollege Award. $675,000

2001 – present Koroly, M.J. & Bokor, J. R. *Mini medical school for teachers*. UF Medical Guild. $5,000 annually.

RECENT SYNERGISTIC ACTIVITIES

- Assist with development and implementation of NSF Broader Impacts components with secondary science teachers and students from across Florida. Our Center assists research faculty and graduate students to effectively develop, deliver and assess the broader impacts of their research through different models.
- Developed and led day-long content clinic for teachers in Palm Beach County. Topics were selected by the district to enhance teacher understanding of subject matter based on student assessment scores.
- Taught two-day content clinics for teachers in Duval County focused on evolution and phylogenetics.
- Coordinated and taught nine learning laboratories and content clinics for elementary teachers in the Northeast Florida Education Consortium.

PRACTITIONER-ORIENTED MULTI-LESSON CURRICULAR MATERIALS – Lead author

Bokor, J. R., Crippen, K. J., Ouellette, D. A. (2018). *The dengue dilemma*. Web-based Science Inquiry Environment version. Unpublished curriculum, Center for Precollegiate Education and Training, University of Florida, Gainesville. https://wise.berkeley.edu/project/23463#/vle/node12

Bokor, J. R. (2015). *The pompe predicament*. Web-based Science Inquiry Environment version. Unpublished curriculum, Center for Precollegiate Education and Training, University of Florida, Gainesville. http://wise.berkeley.edu/previewproject.html?projectId=7187

Bokor, J. R. (2013). *The dengue dilemma*. Unpublished curriculum, Center for Precollegiate Education and Training, University of Florida, Gainesville. http://www.cpet.ufl.edu/resources/biomedical-curriculum-series/the-dengue-dilemma/

Bokor, J. R. (2012). *The pompe predicament*. Unpublished curriculum, Center for Precollegiate Education and Training, University of Florida, Gainesville. http://www.cpet.ufl.edu/resources/biomedical-curriculum-series/pompe-predicament/

Bokor, J. R. (2010). *Biotechnology in the classroom curriculum* (Master's project). University of Florida, Gainesville. http://www.cpet.ufl.edu/wp-content/uploads/2012/10/Biotech-in-the-Classroom-Tomato-Spotted-Wilt-Virus-by-Julie-Bokor.pdf

PRACTITIONER-ORIENTED MULTI-LESSON CURRICULAR MATERIALS – Mentored or co-authored

Ouellette, D. A. & Bokor, J. R. (2020). *Ebola: #roadtozerocases*. Web-based Science Inquiry Environment version. Unpublished curriculum, Center for Precollegiate Education and Training, University of Florida, Gainesville. https://wise.berkeley.edu/preview/unit/35566/node5

Broo, J., Mahoney, J., Ouellette, D. A., & Bokor, J. R. (2018). *The drowsy drosophila: Rapid evolution in the face of climate change*. Web-based Science Inquiry Environment version. Unpublished curriculum, Center for Precollegiate Education and Training, University of Florida, Gainesville. https://wise.berkeley.edu/preview/unit/24451/node30

Broo, J. (2019). *The origin and diversity of armor in girdled lizards: A case study in convergent evolution*. Unpublished curriculum, Center for Precollegiate Education and Training, University of Florida, Gainesville. https://www.cpet.ufl.edu/media/cpetufledu/pdfs/curriculum/overt-2019/Broo_Origin-and-Diversity-of-Armor-in-Girdled-Lizards.pdf

Broo, J. & Mahoney, J. (2017). *Drowsy drosophila: Rapid evolution in the face of climate change.* Unpublished curriculum, Center for Precollegiate Education and Training, University of Florida, Gainesville. https://www.cpet.ufl.edu/media/cpetufledu/pdfs/curriculum/cpet-curriculum/evolution-and-climate-change/DrowsyDrosophila2017_LoRes-Full-Curriculum.pdf

Pruitt, H. (2016). *Ebola epidemic*. Unpublished curriculum, Center for Precollegiate Education and Training, University of Florida, Gainesville. https://www.cpet.ufl.edu/media/cpetufledu/pdfs/curriculum/cpet-curriculum/ebola-epidemic/Ebola-Epidemic-Teacher-pages.pdf

Hernandez, M. (2015). *Hands-on human evolution: a laboratory-based approach*. Unpublished curriculum, Center for Precollegiate Education and Training, University of Florida, Gainesville. https://www.cpet.ufl.edu/media/cpetufledu/pdfs/curriculum/cpet-curriculum/hands-on-human-evolution/Hand-on-Human-Evolution-Curriculum-2.pdf

Broo, J. & Mahoney, J. (2015). *Chewing on change: Exploring the evolution of horses in response to climate change.* Unpublished curriculum, Center for Precollegiate Education and Training, University of Florida, Gainesville. https://www.cpet.ufl.edu/media/cpetufledu/pdfs/curriculum/cpet-curriculum/evolution-and-climate-change/HorseEvolution2015_LoRes-Full-Curriculum.pdf

Broo, J. & Mahoney, J. (2013). *War of the 21st century: the cell cycle, cancer, and clinical trials.* Unpublished curriculum, Center for Precollegiate Education and Training, University of Florida, Gainesville. https://www.cpet.ufl.edu/media/cpetufledu/pdfs/curriculum/cpet-curriculum/the-war-of-the-21st-century/CancerCurriculum_Final.pdf

Klosterman M., Sadler T., Barko T., Bokor J., Brown J., Echevarri J.F., & Mandell T. (2010). *Mission Biotech teacher guide*. College of Education, University of Florida, Gainesville. Retrieved from http://www.missionbiotech.com/Teacher.aspx.

Sadler T., Annetta L., Ferdig R., Snyder R., Koroly M. J., Mandel T., Bokor J., Echevarri J. F., Klosterman M., & Liu F. (2010). Mission Biotech. [CD-ROM]. College of Education, University of Florida, Gainesville, College of Education, North Carolina State University, Raleigh. Retrieved from http://www.missionbiotech.com/Teacher.aspx.

PUBLICATIONS (Peer-reviewed journals and book chapters)

Bokor, J. R. & Crippen, K. J. (in preparation). Developing design expertise through a teacher-scientist professional development program. Submitting to *International Journal of Science Education*.

Bokor, J. R., Moran, S., & MacFadden, B. (in preparation). Digitized horse teeth promote understanding and acceptance of evolution. Submitting to *Evolution: Education and Outreach*.

Bacusmo, J.M., Savage, K., Bokor, J.R., & de Crecy-Lagard, V. (2019). Identifying pathogenic islands through genome comparison. Accepted for publication in the October issue of *American Biology Teacher*.

Idsardi, R., Hahn D. A., Bokor J. R., & Luft, J. A. (2019). Modifying scientific research into introductory science course lessons using a 5E lesson format: An active learning approach. *Journal of College Science Teaching. 48*(5), 14-21.

Lin, A., Bray, J.K., Fettis, M.M., Fernandez-Bueno, G.A., Bokor, J.R., & Koroly, M.J. (2019). Development and outcomes from a translational science curriculum for precollege students. *Journal of STEM Outreach*. DOI: https://doi.org/10.15695/jstem/v2i1.03

Broo, J., Mahoney, J., Bokor, J. R., & Hahn, D. A. (2018). Drowsy *Drosophila*: Rapid evolution in the face of climate change. *The American Biology Teacher. 80*(4), 272-277.

Crippen, K. J., Bokor, J., & Evans, G. N. (2018). A Synthesis of the Empirical Research on Blended Learning in K-12 Science Education, 2000-2014. In R. E. Ferdig & K. Kennedy (Eds.), *Handbook of Research on K-12 Online and Blended Learning (Vol. 2)*. Carnegie Mellon University: ETC Press.

Bokor, J. R., Crippen, K. J., & Koroly, M.J. (2018). Science Teacher Motivations for Repeat Attendance at University Outreach Center Professional Development Programs. *Journal of STEM Outreach*. *1*(1), http://ejournals.library.vanderbilt.edu/index.php/JRLSO/article/view/4409

Darwiche, H., Barnes, M., Barnes, L., Cooper, L.A., Bokor, J.R., & Koroly, M.J. (2017). Bench to Bedside: The Effectiveness of a Professional Development Program Focused on Biomedical Science and Action Research. *The Science Educator. 26*(1), 32-47.

Darwiche, H. & Bokor, J. R. (2016). Ebola epidemic: Using current events to teach authentic inquiry science. *The American Biology Teacher. 78*(3), 190-197.

Bokor, J. R., Broo, J. A., & Mahoney, J. A. (2016). Using fossil teeth to study the evolution of horses in response to a changing climate. *The American Biology Teacher. 78*(2), 166-169

Bokor, J. R., Darwiche, H., & Joseph, D. S. (2015). Using a simulation to illustrate crosscutting concepts through a disease model. *The American Biology Teacher. 77*(6), 445-451.

Bokor, J. R., Joseph, D. S., & Darwiche, H. (2015). Treating Pompe disease: exploring cause and effect through a disease model. *The Science Teacher, 82*(1), 43-46.

Bokor, J. R., Landis, J. B., & Crippen, K. J. (2014). High school students' learning and perceptions of phylogenetics of flowering plants. *CBE-Life Sciences Education*, *13*(4), 653-665.

Brown, J. C, Bokor, J. R., Crippen, K. J., & Koroly, M. (2014). Translating current science into materials for high school via a scientist-teacher partnership. *Journal of Science Teacher Education*, *(25)*3, 239-262. doi: 10.1007/s10972-013-9371-y.

Bokor, J. R. (2012). You sank my … bacteriophage? *The American Biology Teacher 74*(6). 422-423.

PRESENTATIONS (Research-oriented, Peer-reviewed)

Bokor, J. R. (2019, January). *Supporting teachers as designers through professional development*. Paper presented at the annual meeting of the Association for Science Teacher Educators. Savanah, GA.

Pruitt, H. D., Bokor, J. R., & Koroly, M. J. (2019, January). *Bench to Bedside: The effectiveness of a professional development program focused on biomedical sciences and action research*. Paper presented at the annual meeting of the Association for Science Teacher Educators. Savanah, GA.

Stoffer, K. A., Bokor, J. R., & Koroly, M. J. (2019, January). *Personal meaning mapping assessment for interdisciplinary emerging pathogens professional development*. Paper presented at the annual meeting of the Association for Science Teacher Educators. Savanah, GA.

Bokor, J. R. & Crippen, K. J. (2017, April). *Developing design expertise through a teacher-scientist partnership professional development program*. Paper presented at the annual meeting of the National Association for Research in Science Teaching. San Antonio, TX.

Crippen, K. J., Bokor, J. R., & Evans, G. N. (2016, April). *Research on blended learning in K-12 science education: A systematic review*. Paper presented at the annual meeting of the National Association for Research in Science Teaching. Baltimore, MD.

Bokor, J. R., & Crippen, K. J. (2016, January). *Science teacher motivations for repeat attendance at university outreach center professional development programs*. Paper presented at the annual meeting of the Association for Science Teacher Education. Reno, NV.

Crippen, K. J., Bokor, J. R., & Evans, G. N. (2016, January). *Trends in research on blended learning in K-12 science education*. Paper presented at the annual meeting of the Association for Science Teacher Education. Reno, NV.

Bokor, J. R., Crippen, K. J., & Landis, J. B. (2015, April). *Using Scaffolding to Build Phylogenetic Trees with High School Students.* Paper presented at the annual meeting of the National Association for Research in Science Teaching, Chicago, IL.

Bokor, J. R., Broo, J., MacFadden, B., McLaughlin, C., & Moran, S. (2015, February). *Bringing Natural History Collections into the Science Classroom*. Paper presented at the annual meeting of the International Teacher-Scientist Partnership, San Francisco, CA.

Darwiche, H. & Bokor, J. (2015, February). *Leveraging Teacher Research Experiences to Create Curricular Units.* Paper presented at the annual meeting of the International Teacher-Scientist Partnership, San Francisco, CA.

McLaughlin, C., Bokor, J. R., Broo, J., & Moran, S. (2015, February). *Promoting Student Inquiry through Strategic Teacher-Scientist Partnerships.* Paper presented at the annual meeting of the International Teacher-Scientist Partnership, San Francisco, CA.

Bokor, J. R. (2014, April). *American High School Biology Classroom Practices from 1935 – 1960: Implications for Today.* Paper presented at the annual meeting of the National Association for Research in Science Teaching, Pittsburg, PA.

Brown, J. C., Crippen, K. J., Koroly, M.J., Bokor, J. R., Joseph, D. S., & Darwiche, H. (2013, April). *Supporting Professional Development that Builds Capacity for Change.* Paper presented at the annual meeting of the National Association for Research in Science Teaching, Rio Grande, Puerto Rico.

Brown, J. C., Darwiche, H., Joseph, D., Bokor, J., & Koroly, M. J. (2013, January). *The CPET model of professional development: supporting science teachers through curriculum creation*. Paper presented at the annual meeting of the Association Science Teacher Education, Charleston, SC.

PRESENTATIONS (Practitioner-oriented, Peer-reviewed)

Bokor, J. R., Broo, J., Blackburn, D. Grey, J., & Stanley, E. (2021). *The Origin and Diversity of Armor in Girdled Lizards: A Case Study in Convergent Evolution.* Hands-on workshop presented at the National Association of Biology Teachers conference, Atlanta, GA.

Bokor, J. R. (2019, April). *Using a case-based approach to explore dengue virus in a blended format: combining hands-on labs with the WISE platform.* Hands-on workshop presented at the National Science Teacher Association national conference, St. Louis, MO.

Bokor, J. R., Broo. J., Moran, S.M., & MacFadden, B. (2019, April). *Chewing on change: exploring 55 million years of horse evolution in response to a changing climate.* Hands-on workshop presented at the National Science Teacher Association national conference, St. Louis, MO.

Bokor, J. R., Broo, J., Blackburn, D. & Stanley, E. (2019, April). *oVert: Using digital 3-D models of museum collections to explore vertebrate diversity.* Hands-on workshop presented at the National Science Teacher Association national conference, St. Louis, MO.

Bokor, J. R. (2018, November). *The Dengue Dilemma*. Hands-on workshop presented at the National Science Teacher Association regional conference, Charlotte, NC.

Bokor, J. R. (2018, November). *Investigating a rare disease through hands-on and virtual environments*. Hands-on workshop presented at the National Science Teacher Association regional conference, Charlotte, NC.

Bokor, J. R. (2018, October). *Chewing on Change: Exploring 55 million years of horse evolution in response to a changing climate*. Paper presented at the annual meeting of the Florida Association of Science Teachers. Miami, FL.

Bokor, J. R. (2018, October). *Using a case-based approach to explore dengue virus in a blended format: combining hands-on laboratories with the WISE platform*. Paper presented at the annual meeting of the Florida Association of Science Teachers. Miami, FL.

Bokor, J. R. (2017, April). *Structure to function: traditional and web-based exploration of a rare disease*. Hands-on workshop presented at the National Science Teacher Association national conference, Los Angeles, CA.

Bokor, J. R., Broo, J., MacFadden, B. (2017, April). *Exploring evolution in response to a changing climate through an NGSS-focused curriculum*. Hands-on workshop presented at the National Science Teacher Association national conference, Los Angeles, CA.

Hernandez, M. & Bokor, J. (2017, April). *Hands-on human evolution*. Hands-on workshop presented at the National Science Teacher Association national conference, Los Angeles, CA.

Bokor, J. R. (2016, November). *Investigating a rare disease through hands-on and blended settings.* Paper presented at the National Association for Biology Teachers annual conference, Denver, CO.

Bokor, J. R., Moran, S. M., Broo, J., & Mahoney, J. (2016, November). *Bringing natural history museum collections into the classroom: Exploring 55 million years of horse evolution in response to a changing climate.* Special workshop presented at the annual conference of the National Association for Biology Teachers, Denver, CO.

Bokor, J. R. & Darwiche, H. (2014, November). *Biomedical Curriculum Series: developed by teachers for teachers*. Paper presented at the annual regional conference of the National Science Teacher Association, Orlando, FL.

Bokor, J. R., Landis, J. B., Broo, J., & Mahoney, J. (2014, November) *Co-evolution in the high school classroom: constructing and applying phylogenies to interpret plant and pollinator interactions.* Paper presented at the annual conference of the National Association for Biology Teachers, Cleveland, OH.

Landis, J. B. & Bokor, J. R. (2014, November) *Flowers, Birds, and Bees: Constructing Phylogenies and Interpreting Plant/ Pollinator Interactions in the High School Classroom*. Paper presented at the annual regional conference of the National Science Teacher Association, Orlando, FL.

Landis, J. B. & Bokor, J. R. (2014, November) *Forensic botany in the high school classroom: real world application of molecular techniques*. Paper presented at the annual regional conference of the National Science Teacher Association, Orlando, FL.

Bokor, J. R. and Darwiche, H. (2013a, November). *Exploring rare disease through hands-on and blended settings*. Paper presented at the annual national conference of the National Association for Biology Teachers, Atlanta, GA.

Bokor, J. R. and Darwiche, H. (2013b, November). *No more mosquito!*. Paper presented at the annual national conference of the National Association for Biology Teachers, Atlanta, GA.

Bokor, J. R. and Darwiche, H. (2013, April). *Biotechnology from bench to bedside*. Paper presented at the annual national conference of the National Science Teachers Association, San Antonio, TX.

Bokor, J. R. (2012a, March). *Biotechnology from bench to bedside*. Paper presented at the annual national conference of the National Science Teachers Association, Indianapolis, IN.

Bokor, J. R. (2012b, March). *What is buzzing in our backyard?* Paper presented at the annual national conference of the National Science Teachers Association, Indianapolis, IN.

Bokor, J. R., & Darwiche, H. (2011a, October). *Introducing translational research through role play*. Paper presented at the annual conference of the National Association of Biology Teachers, Anaheim, CA.

Bokor, J. R., & Darwiche, H. (2011b, October). *Pipetting by design*. Paper presented at the annual conference of the National Association of Biology Teachers, Anaheim, CA.

Bokor, J. R. (2011, March). *Translating university science research into classroom-friendly curriculum modules*. Paper presented at the annual national conference of the National Science Teachers Association, San Francisco, CA.

Bokor, J. R. (2010, November). *Integrating emerging pathogens topics into high schools*. Paper presented at the National Association of Biology Teacher annual conference, Minneapolis, MN.

Bokor, J. R. (2010, October). *Biotechnology in the classroom: results from the field*. Paper presented at the annual conference of the Florida Association of Science Teachers, St. Augustine, FL.

PRESENTATIONS (Invited)

Darwiche H., Bokor J. R. , & Koroly M. J. (2016, April). *Broadening participation in STEM through partnerships between researchers and precollege teachers*. Poster presented at the annual National Alliance for Broader Impacts Summit in Philadelphia, PA.

Hernandez M., Darwiche H., Bokor J. R., & Koroly M. J. (2016, April). *Broadening participation in STEM through partnerships between researchers and precollege students*. Poster presented at the annual National Alliance for Broader Impacts Summit in Philadelphia, PA.

Bokor, J. R., Landis, J. B., & Crippen, K. J. (2015, April). *A Design-Based Research Approach: Building High School Student Understanding of Phylogenetics*. Poster presented at the University of Florida College of Education Student Alliance of Graduates in Education Annual Symposium, Gainesville, FL.

Landis, J. B. & Bokor, J. R. (2014, August). *High School Students' Learning and Perceptions of Phylogenetics of Flowering Plants*. Poster presented at the annual Botany Conference, Boise, ID.

Joseph, D., Bokor, J. R., & Koroly, M. J. (2013, February). *Exploring emerging pathogens: five years of education outreach*. Poster presented at the annual UF Emerging Pathogens Institute Research Day, Gainesville, FL.

Bokor, J. R. (2012, September). *Best practices of partnership development: enriching teacher and student experiences*. Invited presentation at the Northeast Florida Educational Consortium Fall Summit, Gainesville, FL.

Joseph, D., Bokor, J. R., & Koroly, M. J. (2012, February). *Exploring emerging pathogens: four years of education outreach*. Poster presented at the annual UF Emerging Pathogens Research Day, Gainesville, FL.

Darwiche, H., Bokor, J. R., & Koroly, M. J. (2011, May). *Biomedical Explorations: Bench to Bedside*. Poster presented at the annual NIH NCRR Science Education Partnership Award conference, Seattle, WA.

Bokor, J. R., Kelso, E., & Koroly, M.J. (2011, February). *A curriculum integrating emerging pathogen topics into high schools*. Poster presented at the annual UF Emerging Pathogens Research Day, Gainesville, FL.

Kelso, E., Bokor, J. R., & Koroly, M. J. (2011, February). *Exploring emerging pathogens: three years of education outreach*. Poster presented at the annual UF Emerging Pathogens Research Day, Gainesville, FL.

Golart, K., Bokor, J. R., & Koroly, M. J. (2010, May). *Biomedical Explorations: Bench to Bedside*. Poster presented at the annual conference of the NIH NCRR Science Education Partnership Award, Birmingham, AL.

Bokor, J. R., Kelso, E., & Koroly, M. J. (2010, February). *UF-HHMI ICORE: emerging pathogens partnership program*. Poster presented at the annual UF Emerging Pathogens Research Day, Gainesville, FL.

GRANT LEADERSHIP BOARDS

NSF Biotechnology Workforce Development
NSF OUTBREAK (Opportunities to Use innovative Technologies to explore Biotechnology Resources, career Education And Knowledge)
HHMI Interdisciplinary Center for Ongoing Research / Education Partnership Program
NIH NCRR SEPA Biomedical Explorations: Bench to Bedside
NSF U-FUTuRES (University of Florida Unites Teachers to Reform Education in Science)

AWARDS

2017, Recipient, Champions for Change, UF Office of Sustainability
2015, Recipient, Outstanding Graduate Student: Professional Practice, UF College of Education

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Association of Science Teacher Educators
The American Biology Teacher
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Journal of STEM Outreach
National Association for Research in Science Teaching

PROFESSIONAL MEMBERSHIPS

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National Association of Biology Teachers
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