

2020-2025 ND EPSCoR Track-1 Cooperative Agreement, ND-ACES, Award Number 1946202
Presentations

1. The Bone Metastasis Cancer Testbed: The Next Frontier for Bone Metastatic Cancer Therapy. Katti, Kalpana S.; North Dakota State University. Biomedical Engineering Society of SDSU meeting.
2. Osteogenesis Pathways and Dysregulation at Bone Site in Breast Cancer Bone Metastasis. Katti, Kalpana S.; North Dakota State University. Materials Research Society Fall 2020 Conference. <https://www.mrs.org/past-fall-meetings/2020-mrs-spring-and-fall-meeting>
3. Synthesis of fluorescent graphene quantum dots for in vitro cell imaging and metal ion detection. Reagen, Sarah; University of North Dakota. North Dakota Academy of Science Annual Meeting, 2020. <https://sites.google.com/site/ndacadsci/annual-meeting>
4. FRET-Based PVK@SiQDs Nanocomposite for Enhancing Quantum Yield and Stability. Sun, Di; University of North Dakota. North Dakota Academy of Science Annual Meeting, 2020. <https://sites.google.com/site/ndacadsci/annual-meeting>
5. PEI-Coated Fe³⁺ Quantum Dots for Ultrasensitive Detection of H₂O₂ and Glucose. Wu, Yingfen; University of North Dakota. North Dakota Academy of Science Annual Meeting, 2020. <https://sites.google.com/site/ndacadsci/annual-meeting>
6. The role of fluid transport in cancer metastasis to bone. Le, Trung B.; North Dakota State University. American Physical Society Division of Fluids Dynamics Annual Meeting, Chicago, November, 2020. <https://www.aps.org/meetings/meeting.cfm?name=DFD20>
7. Fluid transport in bone-like materials to study cancer metastasis. Le, Trung B.; North Dakota State University. Sustainable Nano-technology Organization Annual conference. <http://www.susnano.org/nanotech2020/nanotech-overview-2020.html>
8. Multiscale Modeling of Nanoconfinement and Interfaces in Polymeric Materials. Xia, Wenjie; North Dakota State University. Department of Civil and Environmental Engineering Seminar at Case Western Reserve University, OH.
9. Cancer Testbed for Breast and Prostate Cancer Bone Metastasis. Katti, Kalpana S.; North Dakota State University. TMS annual meeting 2021. <https://www.tms.org/AnnualMeeting/TMS2021>
10. Conformational Transition of G-Actin Subunits Controls the Deformation Behavior of Actin Filament. Jaswandkar, Sharad; North Dakota State University. TMS 2021 meeting Biological Materials Science Symposium. <https://www.tms.org/AnnualMeeting/TMS2021>
11. Control of Scaffold Shear Forces Through a Perfusion Bioreactor for Design of Prostate Cancer Bone Metastasis Testbed. Jajuja, Haneesh; North Dakota State University. Presentation at BioNano Interfaces symposium at TMS 2021 annual meeting. <https://www.tms.org/AnnualMeeting/TMS2021>

12. The "rehabilitation" of apoptosis inducing factor in cancers of the prostate and pancreas. Wilkinson, John; North Dakota State University. Gustavus Adolphus Chemistry Department Undergraduate Seminar Series. <https://gustavus.edu/chemistry/documents/SeminarSeries.php>
13. Mechanobiological Markers for Cancer Metastasis. Katti, Dinesh R.; North Dakota State University. Symposium S.SM01 : Organ-on-a-Chip Toward Personalized Precision Medicine; Materials Research Society Fall/Spring 2020 meeting. https://www.mrs.org/past-spring-meetings/2020-mrs-spring-meeting/call-for-papers/detail/2020_mrs_spring_meeting/sm01/symposium-sm01-organ-on-a-chip-toward-personalized-precision-medicine
14. Bioceramics: Additive Manufacturing and Nanoclays in Biomaterials Application. Katti, Kalpana S.; North Dakota State University. The American Ceramic Society 'Frontiers of Ceramics & Glass Webinar Series'. <https://ceramics.org/professional-resources/career-development/webinars-frontiers-of-ceramics-and-glass>
15. Multiscale Modeling of Cellulose-based Nanomaterials towards Understanding the Mechanical Performance. Xia, Wenjie; North Dakota State University. The 9th Nano Conference. <http://www.susnano.org/nanotech2020/nanotech-overview-2020.html>
16. Poly(silyl ether)-based Polymeric Nanoparticles as Potential Nanocarriers. Zotov, Vladimir; University of North Dakota. UND Graduate Research Achievement Day.
17. Synthesis of Functional Nanobiomaterials from Sustainable Resources | 9th Nano Conference. Quadir, Mohiuddin; North Dakota State University. 9th Nano Conference, Sustainable Nanotechnology Organization held virtually November 12-13, 2020. <http://www.susnano.org/nanotech2020/nanotech-overview-2020.html>
18. Sense Anti-Sense MicroRNA Duplex A Label Free Raman Study as an Approach for Functional Evaluation of AntiSense miRNA for Cancer Therapy | Fall MRS 2020 (Preetham Ravi). Katti, Kalpana S.; North Dakota State University. MRS 2020 Fall Symposium held virtually Nov. 27 - Dec. 4, 2020. https://www.mrs.org/past-spring-meetings/2020-mrs-spring-meeting/call-for-papers/detail/2020_mrs_spring_meeting/sm01/symposium-sm01-organ-on-a-chip-toward-personalized-precision-medicine
19. Raman Spectroscopy Investigation of Metastatic Prostate Cancer | Fall MRS 2020 (Jeon Woong Kang). Katti, Kalpana S.; North Dakota State. MRS 2020 Fall Symposium held virtually Nov. 27 - Dec. 4, 2020. https://www.mrs.org/past-spring-meetings/2020-mrs-spring-meeting/call-for-papers/detail/2020_mrs_spring_meeting/sm01/symposium-sm01-organ-on-a-chip-toward-personalized-precision-medicine
20. Spectral Changes in Primary and Secondary Bone Metastasis Site Prostate Cancer Tissues Evaluated by Raman Mapping | Fall MRS 2020 (Jairam Eswara). Katti, Kalpana S.; North Dakota State University. MRS 2020 Fall Symposium held virtually Nov. 27 - Dec. 4, 2020. <https://www.mrs.org/past-spring-meetings/2020-mrs-spring-meeting/call->

[for-papers/detail/2020_mrs_spring_meeting/sm01/symposium-sm01-organ-on-a-chip-toward-personalized-precision-medicine](#)

21. Perfusion bioreactor and bone mimetic nanoclay scaffold derived 3D in vitro bone metastasis prostate cancer testbeds | 9th Nano Conference. Jasuja, Haneesh; North Dakota State University. 9th Nano Conference held virtually Nov. 12-13, 2020. <http://www.susnano.org/nanotech2020/nanotech-overview-2020.html>

22. Insight into the Mechanobiological Progression of Cancer Metastasis to Bone | TMS 2021. Katti, Dinesh R.; North Dakota State University, TMS 2021 Annual Meeting held virtually March 15-18, 2021. <https://www.tms.org/AnnualMeeting/TMS2021>