Milan Bimali

Senior Statistician, Becton Dickinson and Company (BD)
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Education

- ❖ **Ph.D. in Biostatistics**, University of Kansas-Medical Center, Kansas City, KS (2015).
- ❖ **M.S. in Mathematics**, Idaho State University, Pocatello, ID (2012).
- ❖ **B.Sc. in Statistics**, Tribhuvan University, Kathmandu, Nepal (2009).

Post Graduate Training

- ❖ **Junior Biostatisticians in Health Research**, ENAR Meeting, Mar. 22-23, 2019
  Workshop for junior faculty biostatisticians (invitation only) aimed at promoting career development of junior investigators.
- ❖ **Junior Faculty Biostatistician**, AACR/ASCO Workshop Methods in Clinical Cancer Research, July 28-Aug. 3, 2018.
  Training program for junior faculty (invitation only). Worked with Richard Chappell (University of Wisconsin – Madison, biostatistics mentor), Edward Chu (University of Pittsburgh), and Roy Herbst (Yale University) together with 7 oncology fellows and junior faculty in developing and writing clinical trial protocols ready for IRB review.
- ❖ **Post Graduate Associate,** Program of Applied Translational Research, Yale University – School of Medicine, New Haven, CT (2015–2016).

Computer Skills

- ❖ **Statistical Software**: R, SAS,– Advanced Proficiency.
- ❖ **MS Office Package**: Word, Excel, PowerPoint, Latex (typesetting) – Advanced Proficiency.
- ❖ **Others**: REDCap, EPI Info, MS-Access, Winbugs, C++ – Familiar.
- ❖ **R Packages**: RSPS – RNA-Seq Power Simulation (developed and maintained).

Primary Collaborative Teams

- ❖ **Biostatistician,** Statistical Center, AIDS Malignancy Consortium Clinical Trials Group.
  - ➢ Worked in Phase I and Phase II clinical trials in area of oncology.
- ❖ **Biostatistician,** Winthorp P. Rockefeller Cancer Institute.
  - ➢ Provided statistical support for observational studies
- ❖ **Biostatistician,** Data Coordinating Center, IDEA States Pediatirics Clinical Trials Network.
  - ➢ Provided statistical support for multicenter randomized interventional studies aimed at rural pediatric population.
- ❖ **Collaborating Faculty,** Arkansas Children's Nutrition Center.

Professional Experience

Industry Experience (2021-present)
- ❖ **Senior Statistician (2021-present)**
  Becton, Dickinson and Company, Franklin Lakes, NJ.
  Key Responsibilities:
  - ➢ Serve as lead statistician for clinical trials involving different diagnostic devices.
  - ➢ Provide support in study design, protocol development, randomization schedule generation, development of statistical analysis plan (SAP) and table, listing figures (TLFs), and statistical report for regulatory bodies such as FDA.

➢ Represented the statistics in cross-functional teams as well as in communicating with CROs for outsourced projects.

Academic Experience (2016-2021)

❖ **Assistant Professor of Biostatistics**
Department of Biostatistics, University of Arkansas for Medical Sciences, Little Rock, AR (Tenure Track. 2018-2021).
Department of Preventive Medicine and Public Health, University of Kansas – School of Medicine, Wichita, KS (Research Track. 2016–2018).

❖ **Collaborating Faculty,** Biostatistics and Data Innovation Team**,** Arkansas Children's Nutrition Center (2020-2021).

❖ **Member,** Winthorp P. Rockefeller Cancer Institute, University of Arkansas for Medical Sciences, Little Rock, AR (2018-2021).

❖ **Biostatistician,** Office of Research, University of Kansas – School of Medicine, Wichita, KS (2016–2018).

❖ **Graduate Research Assistant**, Department of Biostatistics, University of Kansas Medical Center, Kansas City, KS (2012–2015).
Graduate Teaching Assistant, Department of Biostatistics, University of Kansas Medical Center, Kansas City, KS (2015).

❖ **Lecturer**, Department of Mathematics, Idaho State University, Pocatello, ID (2011–2012).
Graduate Teaching Assistant (Instructor of Record), Department of Mathematics, Idaho State University, Pocatello, ID (2009–2011).
Career Path Intern, Department of Mathematics, Idaho State University, Pocatello, ID (2011).

Publications

1. Kesaria A. , **Bimali M.**, Patel M., Prabhu A., Kesaria S, Xia F. #Brachytherapy: Physicians As Influencers on Instagram. Cureus 14(2), Feb. 2022. DOI 10.7759/cureus.22524

2. Garron D., Ganesh N., **Milan B.**, Evaldo G., Faraz K., Xia F., Jose P., Steven M. A Dosimetric Comparative Analysis of Brainlab Elements and Eclipse RapidArc for Spine SBRT Treatment Planning. Biomedical Physics & Engineering Express, Feb. 2022.

3. Baker D. [†], **Bimali M.** [†], Carrillo L., Sachedina A., Alapat D., Hoque S., Kottarathara M., Parikh R., Amani E., Mitma A., Mathur P., Tricot G., Thanendrarajan S., Zangari M., Rhee Fv., Schinke C. Predicting risk of progression in relapsed multiple myeloma using traditional risk models, focal lesion assessment with PET-CT and minimal residual disease status. Haematologica. Aug 2021. doi: 10.3324.

4. Prabhu A.V. [†], **Bimali M.** [†], Miljanic M. [†], Kay H., Sandow L., Zhang M., Mumford K., Shah D., Clump D.A. II, Skinner H.D., Lewis G.D. The Use of Crowdfunding to Support Radiation Therapy Cancer Treatments. Anticancer Research, Vol. 66, No. 2, 2021. †: Joint First Author.

5. Shah S.K., Demmmings B., Hadden K., **Bimali M.**, Nakagawa M. Assessing the Feasibility of an Online Module for Promoting Cancer Prevention Measures. Cancer Control, 2021.

6. Davis A.M., Darden P.M., Snowden J., Simone A.E., McCulloh R.J., **Bimali M.**, Lee J. Rationale and Protocol for a Cluster Randomized, Cross-over Trial of Recruitment Methods of Rural Children in Primary Care Clinics: A Feasibility Study of a Pediatric Weight Control Trial in the IDeA States Pediatric Clinical Trials Network. Contemporary Clinical Trials, 2021 Jun 9;107:106476.

7. Shah S.K., Jones-Carr M., **Bimali M.**, Su J.L., Nakagawa M. An Online Survey and Focus Groups for Promoting Cancer Prevention Measures. Journal of Cancer Education, 2021.

8. **Bimali M.***, Shrestha K. Weighted Likelihood-Based Approach to Hierarchical Clustering. Advances and Application in Statistics, Vol. 66, No. 2, 2021.

9. **Bimali M.***, Ounpraseuth S., Williams DK., Impact of Magnitude of Zero Inflation of Covariates on Statistical Inference and Model Selection, Journal of Statistics Application and Probability, Vol. 10, No. 2, 2021.

10. Desai D., Narayanasamy G., **Bimali M.**, Cordrey I., Elasmar H., Srinivasan S., Johnson EL. Cleaning the dose falloff in lung SBRT plan. Journal of Applied Clinical Medical Physics, 2020.

11. Patel M., **Bimali M**., Howie C, McClain P., Mehta S., Harari M., Hans HS., Agarwal A., Pederson A., Maraboyina S., Kim T. The role of radiotherapy among patients with prostate ductal adenocarcinoma. Clinical Genitourinary Cancer, 2020.

12. Pandey Y., Atwal D., Konda M., **Bimali M**., Middleton D., Yarlagadda N., Firwana B., Sasapu A. Hemophagocytic Lymphohistocytosis in Adults. Baylor University Medical Center Proceedings, 2020.

13. Shen T.[†], **Bimali M.**[†], Orloff M. Consumption of citrus fruits and dark green vegetables is associated with reduced risk in the development of emphysema: NHANES 2007-2016, Frontiers in Nutrition, 2020. †: Joint First Author.

14. Venkata A., **Bimali M.**, Prevalence of COPD in Patients diagnosed with Cerebrovascular Events and its effect on health care utilization, Journal of Stroke and Cerebrovascular Diseases, Vol. 2, 2020.

15. Kamel M., **Bimali M.,** Khalil M.I., Su J., Davis R. Regional Trends in Average Years of Potential Life Lost (AYPLL) Secondary to Prostate Cancer Deaths among Caucasians and African Americans Treated by Surgery or Radiation, International Urology and Nephrology, 2019.

16. LeClaire E, Duong J, Wykes R, Miller K, Winterton T, **Bimali M**. Randomized Controlled Trial of Belladonna and Opiate Suppository During Intradetrusor Onabotulinum Toxin-A Injection, American Journal of Obstetrics and Gynecology, 2018.

17. Gattozzi D.A., Alvarado A., Kitzerow C., Funkhouser A., **Bimali M**, Moqbel M., Chamoun R.B. Very Large Metastases to the Brain: Retrospective Study on Outcomes of Surgical Management, World Neurosurgery, 2018.

18. Mansour SG., Puthumana J., Reese PP., Hall IE., Doshi MD., Weng FL., Schröppel B., Thiessen-Philbrook H., **Bimali M.**, Parikh CR. Associations Between Deceased-Donor Urine MCP-1 and Kidney Transplant Outcomes, Kidney International Report, 2017.

19. Baird M., **Bimali M.,** Cott A., Brimacombe M., Ruhland-Petty T., Daley C. Methodological Challenges in Conducting Research with Refugee Women. Issues in Mental Health Nursing, 2017.

20. Hines R.B., **Bimali M.**, Johnson A. M., Bayakly A.R., Collins T.C. Prevalence and Survival Benefit of Adjuvant Chemotherapy in Stage III Colon Cancer Patients: Comparison of Overall and Age-Stratified Results by Multivariable Modeling and Propensity Score Methodology in a Population-Based Cohort, Cancer Epidemiology, Vol 44, Aug. 2016.

21. Brimacombe M., **Bimali M.** Model Related Instabilities in High Dimensional Linear Models, Journal of Biometrics and Biostatistics, Vol. 7, No. 3, June 2016.

22. **Bimali M.***, Brimacombe M. A Likelihood and Information Based Approach to Clustering, Journal of Probability and Statistical Science, Feb. 2016.

23. **Bimali M.***, Brimacombe M. Information Based Clustering of Gene Expression Signatures in Primary Breast Cancer Patients, In JSM Proceedings. Alexandria, VA: American Statistical Association, 2016.

24. **Bimali M.***, Brimacombe M. Relative Likelihood Differences to Examine Asymptotic Convergence: A Bootstrap/Simulation Approach, Journal of Biometrics and Biostatistics, Vol. 6, No. 1, 2015.

25. Parikh C., Hall I., Bhangoo R.S., Ficek J., Abt PL., Thiessen-Philbrook H., Lin H., **Bimali M.**, Murray PT., Rao V., Schroppel B., Doshi MD., Wend FL., Reese PP. Associations of perfusate biomarkers and pump parameters with delayed graft function and deceased-donor kidney allograft function, American Journal of Transplant, 2015.

26. **Bimali M.***, He J. Association Between Obesity and Cancer: An Analysis Using the Competing Risk Regression Approach, Advances in Epidemiology, 2015.

27. **Bimali M.**, Usset J., Fridely B. RSPS: an R library for Empirical Determination of Statistical Power for RNA-Seq Studies, In JSM Proceedings. Alexandria, VA: American Statistical Association, 2015.

28. Derryberry D., **Bimali M.** Extending Edwards Likelihood Ratio to the Simple One Sided Hypothesis, Missouri Journal of Mathematical Sciences, Vol. 26, No. 1, 2014.

29. Chalise P., Koestler D., **Bimali M.**, Yu Q., Fridley B. Integrative Clustering Methods for High-dimensional Molecular Data, Translational Cancer Research, Vol. 3, No. 3, June 2014.

Manuscripts: Submitted/In Progress

30. Haigentz M., Chiao L., Rudek M., **Bimali M.** Safety and tolerability of carboplatin and paclitaxel in cancer patients with human immunodeficiency virus infection (Submitted).

31. Gernat J., **Bimali M.**, Veeraputhiran M. Sleep-wake Disturbance following Allogeneic Hematopoietic Stem Cell Transplantation: Trajectory and Correlates Biology of Blood and Marrow Transplantation (Submitted).
32. Redmond ML., **Bimali M.**, Ablah E., Mayes P., Dugan K. A Geo-Stratified Analysis of Associations between Socio-economic Factors and Diabetes Risk (Submitted).
33. Acharya M., Zorn KK, Simonson ME, **Bimali M**, Moore GW, Martin BC.Statewide trends in and factors associated with genetic testing for hereditary cancers in Arkansas 2013–2018 (Submitted).
34. Norton JC., Politis MD., **Bimali M.**, Nembhard W, Amick, BC, Koturbash I. Analysis of COVID-19 Pandemic on Supplement Usage and its Combination with Self-Medication within the State of Arkansas (Submitted).
35. Xia F., Li C., **Bimali M.**, Patel M. The effect of antidepressants, antipsychotics on survival among patients with primary brain undergoing radiation for primary CNS tumors (Submitted).
36. Norton JC., Khalil M., **Bimali M**., Davis R., Machado B., Kamel M. Racial Disparities in Years of Potential Life Lost Secondary to Untreated Low and Intermediate Risk Prostate Cancer Deaths (In Progress).
37. Rubinstein PG., Moore PC., **Bimali M.**, Rudek MA., Chadburn A., Ratner L., Henry DH., Cesarman E., Ghesquieres H., DeMarco C., Coppo P., Barta SK., Delobei P., Boe F., Galicier L., Ramos JC., Sharon E., Ambinder R., Reig EG., Mounier N., Besson C., Noy A. Brentuximab Vedotin in Combination with AVD in the upfront treatment of stage II-IV HIV-associated cHL (Submitted).

Grants and Contracts

- ❖ R01 DK123264, NIDDK: Targeting heat shock protein 72 to improve renal function after transplantation (2021).
  PI: Nirmala Parajuli
  Role: Primary Statistician/Co-I
  The goal of this project is to test the hypothesis that cold storage-mediated activation of HSF1 and p38MAPK mediate the upregulation of Hsp72 and phosphorylation of Rpt6, leading to proteasome dysfunction and injury after transplantation.
- ❖ U24OD024957, DHHS/NIH/NICHHD: Data Coordinating & Operations Center (DCOC) for the IDeA States Pediatric Clinical Trials Network. (2018-2021).
  PI: Jeannette Lee, and Jessica Snowden
  Role: Biostatistician
- ❖ UM1CA121947, NIH/NCI/UCLA/Emmes: Statistical Center for the AIDS Malignancy Consortium. (2018-2021).
  Statistical Center Director: Jeannette Lee.
  Role: Biostatistician.
- ❖ ARS 6026-51000-010-05S, USDA: Effects of Diet and Physical Activity on Maternal Child/Adolescent Health and Development (2020-2021).
  Site Director: Sean Adams (past), Aline Andres and Elizabet Borshem (Interim)
  Role: Biostatistician.
- ❖ PTC2020-03, UAMS CTSA (UL1TR003107): Assessing Statewide Variation in Hereditary Cancer Care Utilization in Arkansas. (2020-2021).
  PI: Kristin Zorn.
  Role: Co-Investigator   .
- ❖ UAMS Cancer Prevention and Population Sciences Pilot Award: Health Ambassadors for Promoting Cancer Prevention and Early Detection. (2018-2019).
  Role: Co-Investigator.
  Amount: $10,000.
- ❖ K01DK113048, NIDDK: Diabetes Prevention Program Feasibility Study of Breastfeeding (2018-2023).
  PI: Lisette Jacobson.
  Role: Co-Investigator.

- ❖ K01 HL135472-01A1: Web-based Problem-Solving Self-Management Program for African Americans with Type 2 Diabetes. (2017-2018).
  PI: Michelle Redmond.
  Role: Co-Investigator.
- ❖ RO1DK-93770: Novel Kidney Injury Tools in Deceased Organ Donation to Predict Graft Outcome. (2015-2016).
  PI: Chirag Parikh.
  Role: Biostatistician.
- ❖ KUCC Pilot Project: Development of Prediction Models for Bladder Cancer recurrence using Clinical, Pathological, and molecular data. (2013-2014).
  PI: Devin Koestler.
  Role: Research Assistant.
- ❖ KUCC Pilot Project: Integrative Analysis of the Ovarian Cancer TCGA Data. (2012-2013).
  PI: Brooke Fridley.
  Role: Research Assistant.

Awards, Honors, Certifications

- ❖ Travel Award, American Statistical Association, 2016.
- ❖ Faculty Travel Award, Research Institute, University of Kansas Medical Center, 2016.
- ❖ Outstanding Graduate Student Award, Department of Biostatistics, University of Kansas Medical Center, 2015.
- ❖ Graduate Student Research Travel Award, University of Kansas Medical Center, 2014.
- ❖ SAS Certified Base Programmer, SAS Institute, Sept. 10, 2014.
- ❖ Inductee, Mu Sigma Rho, The National Statistics Honorary Society, 2012–2015.
- ❖ GStat (Graduate Statistician) accreditation, American Statistical Association, Jul. 18, 2014−present.

Poster Presentations

- ❖ Baker D.[†], Bimali M., Carrillo L., Sachedina A., Alapat D., Hoque S., Kottarathara M., Parikh R., Amani E., Mitma A., Mathur P., Tricot G., Thanendrarajan S., Zangari M., Rhee Fv., Schinke C. Predicting Risk of Progression in Relapsed Multiple Myeloma using Minimal Residual Disease Status and Focal Lesion Assessment with PET-CT. American Society of Hematology, Dec. 5-10, 2020 (all-virtual event). [†]: The presenting author is an MD student.
- ❖ Bimali M., Ouspraseuth ST., Williams DK. Zero Infalted Covariates – Should We Care About it? Conference on Statistical Practice, Feb. 20-22, 2020, Sacramento, CA.*
- ❖ Van Rhee F, Bimali M. et al. Early Results of Total Therapy 7 (TT7): High Response Rates of Newly Diagnosed High Risk Myeloma to Daratumumab American Society of Hematology, Dec. 7-10, 2019, Orlando FL.
- ❖ Rubinstein P. G., Moore P. C., Bimali M. et al. Safety and efficacy of brentuximab vedotin in combination with AVD in stage II-IV HIV-Associated classical Hodgkin lymphoma: Results of the phase 2 study, AMC 085. American Society of Hematology, Dec. 7-10, 2019, Orlando FL.
- ❖ Narayanasamy G, Desai D, Bimali M, Galhardo E, ElAsmar H, Penagaricano J, Maraboyina S, Peacock L, Kim T, Xia F, Johnson E, Morrill S. Cleaning the Dose Spill in Lung SBRT Plans. American Association of Physicists in Medicine. July 14-18, 2019. San Antonio, TX.
- ❖ Deshazer G., Galhardo E., Bimali M., Morrill S., Penagaricano J., Narayanasamy G. Spine Stereotactic Radiosurgery Systems – Comparison between Brainlab Elements and Eclipse RapidArc. American Association of Physicists in Medicine. July 14-18, 2019. San Antonio, TX.
- ❖ Shah S. K., Jones-Carr M., Bimali M., Su J. L., Nakagawa N. An Online Survey and Focus Group Addressing Cancer Health Disparities in Arkansas. Winthorp P. Rockefeller Cancer Institute, University of Arkansas for Medical Sciences. May 2, 2019. Little Rock, AR.

❖ Deshazer G., Galhardo E., Bimali M., Morrill S., Penagaricano J., Narayanasamy G. Analysis of Brainlab Elements vs Eclipse RapidArc Spine Stereotactic Radiosurgery Platforms. Southwest Regional Chapter of American Association of Physicists in Medicine. Apr. 11-13, 2019. Little Rock, AR.

❖ Shah, S., Jones-Carr, M., Bimali, M., Su, J., Nakagawa, M. Online survey and focus group addressing cancer health disparity in Arkansas. American Society of Preventive Oncology. Mar. 10-12, 2019, Tampa, FL.

❖ Kamel M., Bimali M., Su J., Davis R. Racial Disparity in Average Years of Potential Life Lost (AYPLL) Associated with Prostate Cancer Mortality Among Caucasians and African Americans, South Central Section of the American Urological Association, Sep. 26-29, 2018, Nashville, TN.

❖ Elhomsy G, Mortada R, Bimali M, Kallail KJ, Ojile N, Rizvi W. Effective Management of Obesity with Generic Combination of Phentermine/Topiramate vs Qsymia®. Obesity Week, Nov 15, Nashville, TN.

❖ Elhomsy G, Mortada R, Bimali M, Kallail KJ, Ojile N, Rizvi W. Effective Management of Obesity with Generic Combination of Phentermine/Topiramate vs Qsymia®. Society of General Internal Medicine, Sep 13-14, Chicago, IL.

❖ LeClaire E, Wykes R, Miller K, Winterton T, Bimali M. Randomized trial of belladonna/opiate suppository during intradetrusor onabotulinumtoxin A injection. Poster presentation at the 2018 ACOG Annual Clinical and Scientific Meeting; April 27-30, 2018; Austin, TX.

❖ Winterton T, Duong J, Wykes R, Miller K, Bimali M, LeClaire, E. Randomized Trial of Belladonna and Opiate Suppository during Intradetrusor Onabotulinum Toxin A Injection. University of Kansas School of Medicine-Wichita Research Forum; April 26, 2018; Wichita, KS. Awarded Best Resident Poster.

❖ LeClaire E, Duong J, Wykes R, Miller K, Winterton T, Bimali M. Randomized controlled trial of belladonna and opiate suppository during intradetrusor onabotulinum toxin-A injection. Poster/oral presentation at the Society for Gynecologic Surgeons 44th Annual Scientific Meeting; March 11-14, 2018; Orlando, FL.

❖ Jacobson, L. T., Lu, K., Bimali, M., Farley, D., & Grainger, D. A. Effectiveness of a breastfeeding support intervention among women with high-risk pregnancies. Accepted as a poster at the 39th Annual Meeting and Scientific Sessions of the Society of Behavioral Medicine, New Orleans, Louisiana; April 11-14, 2018.

❖ Johnston J., Bimali M. Impact of Oral Health Status and Oral Hygiene Practices on Quality of Life Among Low-Income Seniors, Annual Meeting and Scientific Sessions of the Society of Behavioral Medicine, April 11-14, 2018, New Orleans, LA.

❖ Eddy J, Duong J, Meyer J, Bimali M, Tatpati L. Larks versus Owls: Chronotype Based on Medical Specialty Choice. Poster presentation at the 2018 CREOG and APGO Annual Meeting; February 28-March 3, 2018; National Harbor, MD.

❖ Mahendran M, Bimali M, Kallail KJ. Early rehabilitation in mechanically ventilated patients: A meta-analysis, Annual Scientific Meeting of the American College of Physicians, Wichita, KS, 2017.

❖ Weaver A, Moore J, Bimali M, Tuttle Becky, Ablah E. Supermarket Access and Prediabetes. University of Kansas School of Medicine-Wichita Research Forum; April 20, 2017; Wichita, KS.

❖ Eddy J, Duong J, Meyer J, Bimali M, Tatpati L. Larks versus Owls: Chronotype Based on Medical Specialty Choice. University of Kansas School of Medicine-Wichita Research Forum; April 20, 2017; Wichita, KS.

❖ Nehme, F., Bimali M., Rowe K., Al Attar L., Salyers W., Kallail J., Tofteland N. Clinical and Demographic Factors Associated with Recurrent Esophageal Foreign Body Impaction Episodes – A Retrospective Cross-Sectional Study, May 9-17, 2017, Digestive Disease Week, Chicago, IL.

❖ Schwasinger-Schmidt T., Bimali M. Weight Loss Results in Reduced Liver Enzyme Levels in Obese Patients With Non-Alcoholic Fatty Liver Disease, May 3-7, 2017, American Association of Clinical Endocrinologist, Austin, TX. Poster Presentation Winner (Resident Category).

❖ Weaver A, Moore J, Bimali M, Tuttle B, Ablah E. Supermarket Access and Prediabetes, 25th Annual Research Forum at the University of Kansas School of Medicine-Wichita; April 20, 2017; Wichita, KS. (Oral Presentation)

❖ Hines RB, Bimali M, Johnson AM, Bayakly AR, Collins TC. Prevalence and survival benefit of adjuvant chemotherapy in stage III colon cancer patients: Comparison of overall and age-stratified results by

multivariable modeling and propensity score methodology in a population-based cohort, January 2017, American Society of Clinical Oncology, Gastrointestinal Cancers Symposium., San Francisco, CA.

- ❖ Schwasinger-Schmidt T., Bimali M. The Effect of Weight Loss on Liver Enzymes in Patients with Non-Alcoholic Fatty Liver Disease, Oct 12-14, 2016, American College of Physicians Kansas Chapter, Lenexa, KS.
- ❖ Parikh C., Hall I., Bhangoo RS., Ficek J., Abt PL., Thiessen-Philbrook H., Lin H., Bimali M., Murray PT., Rao V., Schroppel B., Doshi MD., Wend FL., Reese PP.Associations of Perfusate Biomarkers and Pump Parameters with Delayed Graft Function and Deceased-Donor Kidney Allograft Function, Jun. 12, 2016, American Transplant Congress.
- ❖ Mansour SG., Puthumana J., Reese PP., Hall IE., Doshi MD., Weng FL., Schröppel B., Thiessen-Philbrook H., Bimali M., Parikh CR.Associations Between Deceased-Donor Urine MCP-1 and Kidney Transplant Outcomes, Jun. 12, 2016, American Transplant Congress.
- ❖ Outcomes in Patients Ages 65 and Older with Traumatic Brain Injury, Apr. 5, 2016, Annual Meeting of the Southwestern Surgical Congress, Coronado, CA.
- ❖ Bimali M., Chalise P., Fridley B. Comparison of Integrative Clustering Methods for Determining Molecular Subtypes, Aug. 5, 2014, JSM, Boston, MA.*
- ❖ Bimali M., He J., Koestler DC. Competing Risk Regression Modeling with Missing Covariates, Apr. 24, 2014, IDAD Symposium, University of Kansas-Edwards, Overland Park, KS.*
- ❖ Bimali M., Chalise P., Fridley B. Power and Sample Sizes for RNA-Seq Studies: Comparison of Proposed Methods, Jan. 18–19, 2014, K-INBRE Symposium, Kansas City, KS.*
- ❖ Bimali M., Chalise P., Fridley B. Application of Integrative Genomic Clustering to the Ovarian Cancer TCGA Data, Apr. 18–19, 2013, Cerner Corporation, Kansas City, MO.*
  *: Presenting Author.

Talks

- ❖ <u>Talk</u>: Clustering – An Overview for Public Health Researchers, College of Public Health, University of Arkansas for Medical Sciences, Little Rock, AR, Sep. 10, 2019.
- ❖ <u>Talk</u>: Novel Designs in Cancer Clinical Trials: Basket and Umbrella Trials, AIDS Malignancy Consortium, Los Angeles, Apr. 9-12, 2019.
- ❖ <u>Talk</u>: Competing Risk Regression Models – An Overview for Public Health Researchers, College of Public Health, University of Arkansas for Medical Sciences, Little Rock, AR, Jan. 8, 2019.
- ❖ <u>Talk</u>: Training the Next Generation of Oncologist-Scientists, Seminar Series, Department of Biostatistics, University of Arkansas for Medical Sciences, Little Rock, AR, Oct. 7, 2018.
- ❖ <u>Invited Talk</u>: Likelihood Based Approach to Clustering, Seminar Series, Department of Mathematics, Wichita State University, Wichita, KS, Oct. 13, 2017.
- ❖ <u>Talk</u>: Likelihood Transformation and Information Based Approach to Clustering, Joint Statistical Meeting, Chicago, IL, Aug. 3, 2016.
- ❖ <u>Talk</u>: I have a dream…, Association of Clinical and Translational Statisticians Pecha Kucha Presentation, Chicago, IL, Jul. 30, 2016.
- ❖ <u>Talk</u>: Relative Likelihood Differences to Examine Asymptotic Convergence: A Bootstrap/Simulation Approach, IDAD Symposium, Cerner Corporation, Kansas City, KS, Apr. 28, 2016.
- ❖ <u>Talk</u>: Analyzing the Association between Obesity and Cancer: Comparison of Cox Model and a Competing Risk Model, Student Research Forum, University of Kansas Medical Center, Mar. 25, 2015.
- ❖ <u>Talk</u>: Empirical Determination of Statistical Power and Sample Size for RNA-Seq Studies, Mar. 17, 2015, ENAR, Miami, FL.
- ❖ <u>Talk</u>: Competing Risk Regression Models in Survival Analysis, University of Kansas Medical Center, Spring 2014.
- ❖ <u>Talk</u>: Extreme Value Analysis: An Introduction, University of Kansas Medical Center, Fall 2013.
- ❖ <u>Paper Discussion</u>: A Proportional Hazards Model for the Subdistribution of a Competing Risk, University of Kansas Medical Center, Feb. 2, 2014.
- ❖ <u>Paper Discussion</u>: Diagnosis of Multiple Cancer Types by Shrunken Centroids of Gene Expression and PAM-R Package, University of Kansas Medical Center, Spring 2013.

Student Advising and Mentoring

- ❖ Research Mentor – Prakriti Karki, BSc.
  Project: Assessing Cancer Incidence Rates among Different Ethnic Groups in Nepal (2022-present)
- ❖ Dissertation Committee Member – Samjhana Shakya, PhD Candidate (2018-2022).
  Project: Development, cross cultural adaptation and validation of "Extended – Hurts, Insult, Threaten, Scream" (E-HITS) screening tool in identifying intimate partner violence in a One Stop Crisis Management Center (OCMC) in Nepal (2019-present).
- ❖ Research Project Co-Advisor – David Littleton Baker, MD (Year 3).
  Project: Predicting risk of progression in relapsed multiple myeloma using traditional risk models, focal lesion assessment with PET-CT and minimal residual disease status (2020-2021).
- ❖ Research Project Co-Advisor – Tianjiao Shen PhD Candidate (2018-2022).
  Project: Consumption of Vitamin K and Vitamin A Are Associated With Reduced Risk of Developing of Emphysema: NHANES 2007–2016 (2020-2021).
- ❖ Capstone Committee Member – Sugantha Yuvaraj, MPH. (Graduated in 2016)
  Project - Prevalence and Determinants of Hepatitis C in Sedgwick County, Kansas (2016).
- ❖ Capstone Committee Member - Kristi Williams, MPH. (Graduated in 2016)
  Project - Knowledge and perceptions of breastfeeding among high BMI pregnant women (2016).

Trainings, Conferences and Workshops

- ❖ Joint Statistical Meeting, Denver, CO. Jul. 29–Aug. 2, 2019.
- ❖ AIDS Malignancy Consortium, Meetings, 2018-2020.
- ❖ Central Arkansas Statistical Association, University of Arkansas for Medical Sciences. Apr. 20, 2018.
  Short Course: Practical Bayesian Computation by Dr. Fang Chen.
- ❖ ENAR Conference, Atlanta, GA. March. 25-28, 2018.
  Short Course: Bayesian Adaptive Clinical Trials by Dr. Scott Berry.
- ❖ Kansas-Western Missouri Chapter Meeting, University of Kansas, Edwards Campus. Nov. 11, 2016.
  Short Course: Statistical Issues in Design and Analysis of Pragmatic Clinical Trials by Dr. Andrea Troxel.
- ❖ Joint Statistical Meeting, Chicago, IL. Jul. 30–Aug. 4, 2016.
  Short Course: Regression Modeling Strategies by Frank Harrell, Ph.D.
- ❖ Innovations in Design, Analysis, and Dissemination: Frontiers in Biostatistical Methods, Cerner Vision Center, Cerner Corporation, Kansas City, MO. Apr. 28–29, 2016.
  Short Course: Modeling Longitudinal Categorical Response Data by Maura Stokes, Ph.D.
- ❖ Innovations in Design, Analysis, and Dissemination: Frontiers in Biostatistical Methods, Cerner Vision Center, Cerner Corporation, Kansas City, MO. Apr. 23–24, 2015.
  Short Course: Applied Logistic Regression by David W. Hosmer, Ph.D.
- ❖ Eastern North American Region (ENAR), Miami, FL. Mar. 15–18, 2015.
- ❖ Kansas-Western Missouri Chapter Meeting, University of Kansas, Medical Center. Oct. 23, 2014.
- ❖ Joint Statistical Meeting, Boston, MA. Aug 1−8, 2014.
- ❖ Innovations in Design, Analysis, and Dissemination: Frontiers in Biostatistical Methods, University of Kansas-Edwards Campus, Overland Park, KS. Apr. 24−25, 2014.
  Short Course: Modern Regression Methods for Predictive Business Analytics Using SAS and JMP by Simon Sheather, Ph.D.
- ❖ K-INBRE (Kansas Idea Network Biomedical Research Enterprise) Symposium, Kansas City, KS. Jan. 18–19, 2014.
- ❖ Kansas-Western Missouri Chapter Meeting, University of Kansas, Edwards Campus. Oct. 17, 2013.
  Short Course: Data Mining in Practice by Dr. Dick De Veaux.
- ❖ Statistical Genomics and Bioinformatics Workshop: GWAS and RNA-Seq Studies, University of Kansas, Edwards Campus. Aug. 16, 2013.
  Short Course: Overview of analyses and methods used in genome-wide association studies (GWAS) and RNA-Seq studies by Brooke Fridley, Ph.D.

- ❖ Innovations in Design, Analysis, and Dissemination: Frontiers in Biostatistical Methods, Cerner Corporation, Kansas City, MO. Apr. 18–19, 2013.
  Short Course: Using Propensity Scores to Design and Analyze Observational Studies by Thomas Love, Ph.D.
- ❖ Supervised College Teaching Practicum, Department of Mathematics and Statistics, Idaho State University. Fall 2009–Spring 2010

Professional Affiliations

- ❖ Executing Committee Member, Association of Nepalese Mathematicians in America (ANMA), 2021-2023.
- ❖ President, Central Arkansas Statistical Association, 2020-2021.
- ❖ Vice President, Central Arkansas Statistical Association, 2019-2020.
- ❖ Secretary/Treasurer, Central Arkansas Statistical Association, 2018-2019.
- ❖ Co-Chair, Strategic Initiatives Committee, American Statistical Association – Biometrics Section, 2018-present.
- ❖ Member, American Statistical Association, 2011−present.
- ❖ Member, KUMC Toastmasters International, 2015.
- ❖ Secretary, Graduate Students Biostatistics Association, University of Kansas Medical Center, Feb. 2013−Feb. 2015.
- ❖ Member, Mathematical Association of America, 2009−2011.
- ❖ Member, Math/CS Club, Idaho State University, 2011−2012.
- ❖ Member, Graduate Students Association, Idaho State University, 2011−2012.

Professional Service

- ❖ Statistical Reviewer, Protocol Review and Monitoring Committee, Winthrop P. Rockefeller Cancer Institute, 2018-present.
- ❖ Reviewer, Environmental Child Health Outcomes – Opportunities and Infrastructure Fund (ECHO-OIF) Grant Application, 2020.
- ❖ Poster Judge, ENAR Poster Session, March 24, 2019.
- ❖ Reviewer, Arkansas Cancer Coalition Grant Applications, 2018-2019.
- ❖ Quality Improvement Conference, University of Kansas – School of Medicine Wichita, KS. Apr. 21, 2016. Role: Abstract review committee member.
- ❖ Reviewer, Scientific Review Committee, Wichita Medical Research and Education Foundation, Wichita, KS, Mar. 2016-Sep. 2017.
- ❖ Committee member, Institutional Review Board, University of Kansas – School of Medicine Wichita, KS, 2016-2017.
- ❖ Member, Diversity and Inclusion Steering Group, University of Kansas – School of Medicine Wichita, KS, 2016-present.
- ❖ Student Research Forum, University of Kansas – School of Medicine Wichita, KS. Apr. 21, 2016. Role: Poster Judge, Facilitator, Abstract review committee member.
- ❖ Reviewer: Frontier Pilot Grants, University of Kansas – Medical Center, 2016.
- ❖ Session Chair - Applications of Statistical Computing, Joint Statistical Meeting, Chicago, IL. Jul. 30–Aug. 4, 2016.

Editorial Service

- ❖ Reviewer: BMC Medical Research Methodology
- ❖ Reviewer: PLOS One.
- ❖ Reviewer: Kansas Journal of Medicine.
- ❖ Reviewer: Asian Journal of Medicine.
- ❖ Reviewer: Asian Journal of Medicine and Health.

Academic and Community Service

- ❖ Founding Member/Board of Director, Nexus Institute for Research and Innovation (2021-present).
- ❖ Coordinator of Bi-monthly Talk Series "Stat-Chautari" hosted by Nepal Statistical Society (NeSS) aimed at statistical community in Nepal (2020-2021).
- ❖ Judge, Dream Big Challenge, NRNA NCC, USA, 2021.
- ❖ Poster Presentation Judge and Award Committee Member, West Central Regional Science Fair at Arkansas School of Math, Science, and the Arts, Hot Springs, AR, 2020.
- ❖ Poster Judge, Student Research Day, University of Arkansas for Medical Sciences, March 12, 2019.

Professional Reference

- ❖ Available upon request.