



Boonshoft  
School of Medicine  
WRIGHT STATE UNIVERSITY

Office of Academic Affairs  
**Annual Report**

2014

Dean X. Parmelee, M.D.  
Robert J. Kegerreis Distinguished Professor of Teaching  
Associate Dean, Academic Affairs

For the period including  
January 1, 2014 — December 31, 2014

# 1

## Statement from the Associate Dean

2014 was a momentous year for the Office of Academic Affairs. This is a sample:

- Executed and finalized a formal curriculum agreement with Qassim University Unaizah College of Medicine in Saudi Arabia, for a three-year term for 5.5 million dollars.
- Successful application to the HealthPath Foundation for a planning grant for our school to develop a rural health initiative with Grand Lake Health System and other counties in that region, one year for \$75,000, two year implementation grant monies available with successful application for the next step. Dr. John Pascoe, Department of Pediatrics served as Principle Investigator. Dr. Therese Zink will serve as P.I. through the next phase.
- The WrightCurriculum Steering Committee completed “Milestones” for the Educational Objectives for the medical school. This was a monumental task.
- International prominence of Dr. Nicole Borges who served as president for the Society of Directors of Medical Education Research.
- The new Skills Assessment Testing Center opened in White Hall with full CAS system complement of technology to enhance training of medical and nursing students as well as residents for years to come!
- Faculty Development Day, co-chaired by Dr. Roman, Colleen Hayden, and Nancy Harker. Guest speaker, Todd Zakrajsek, Ph.D., from Department of Family Medicine at UNC-Chapel Hill, presented “Getting Students Excited About Learning: Brain-Based Learning in the Classroom.” About 100 people campus-wide attended the day’s events. Twenty people attended the faculty awards ceremony that same evening.
- STReME Faculty Development Event, featured John W. Pelley, Ph.D. Professor, from Texas Tech University Health Sciences Center, School of Medicine, Lubbock, TX, presented, “How to Develop Integrative Learning Skills through Mastery and Deliberate Practice.” 30 faculty members attended.
- Several small group faculty training/workshop sessions were held for some course directors to assist with exam question writing and other dimensions of teaching.
- Annual Internment Ceremony had more than 1400 attendees. All the speakers were students who had benefited from the Anatomical Gift Program in their courses.
- Supported the annual Medicine and Spirituality Conference, special guest Drs. Ronald Epstein and Mick Krasner, from the University of Rochester School of Medicine and Dentistry, presented “Mindful Care: Compassion and Resilience,” there were more than 150 attendees.

- Organized and supported the 8<sup>th</sup> annual Healer's Art Course, more than 75 student participated. Two faculty volunteers had previously been medical students in the course.
- Development and full implementation and integration of in-house program for Curriculum Mapping throughout the four years of medical education. Successful upload and integration of the Boonshoft SOM information into the AAMC system. (Note we were one of the first medical schools to also include information for the clerkship years.)
- Migration from our in-house developed FLIGHT exam delivery platform to the use of EXAM SOFT program for delivery of all course examinations and some Team-Based Learning Sessions.
- USMLE formatting and tagging using USMLE taxonomy of all Exam Questions.
- Re-creation of the in-house developed ATLAS program used in assessments of Team-Based Learning and assessment results for Peer Evaluations. Both the rater and the ratee can now review the reports.

## 2 Programs/Divisions

<b>Name of Division or Program</b>	<b>Director</b>
Skills Assessment Training Center	S. Bruce Binder, M.D., Ph.D.
Qassim University, Unaizah College of Med	Dean Parmelee, M.D.
Medical Academic Operations (MedOps)	John Needles, M.I.S., Manager
Anatomical Gift Program	Rodney Guthrie, Director
Medical Education Research & Evaluation	Nicole Borges, Ph.D., Assistant Dean
Medical Student Advising & Tutoring	Laura Johnson, M.Ed., Advisor
Curriculum Development	Brenda Roman, M.D., Assistant Dean
Office of Academic Affairs	Nancy Harker, Executive Assistant

## 3 Fully Affiliated Faculty

<b>Name and Academic Position</b>	<b>Clinical Interests</b>	<b>Research Interests</b>
S. Bruce Binder, M.D., Ph.D.	Clinical Skills - Mechanics	Healer's Art – Personal Mental Health of Medical Students
Nicole Borges, Ph.D.	Education	Medical Education & Research
Sabrina Neeley, Ph.D.	Population Health	Medical Education: Population Health
Dean X. Parmelee, M.D.	Psychiatry; Education	Team-Based Learning Development; Curriculum Development
Brenda Roman, M.D.	Psychiatry; Education	Medical Education Curriculum Development
MaryJo Trout, Pharm.D.	Pharmacotherapeutics	Pharm Education

# 4 Teaching

## Undergraduate Medical Education

Provides direct oversight of all undergraduate medical education courses and clerkships.

Dr. Binder directs the entire Introduction to Clinical Medicine Course for years one and two, conducts the intensive one-week preparation for Year 3, and conducts the 4th year OSCE to help all seniors prepare for the USMLE Step 2 CS

Drs. Parmelee and Roman teach in the ICM I course

Drs. Neeley, Parmelee, Roman teach in the Patient, Physician and Society course for Year 1

Drs. Binder and Parmelee co-direct the Healer's Art Course for Year 1 students

Dr. Borges leads the very popular Elective: Medical Education Research

Dr. Roman teaches in The Mind course

Dr. Neeley is course director for the Biostatistics and Epidemiology course

Dr. Trout is co-course director for the Pathobiology and Therapeutics course, and teaches in almost every course throughout Year 2

## Continuing Medical Education

Medical Spirituality Conference (Held every Spring)

# 5 Scholarly Activity

## Publications

1. Trout, M.J., Borges, N.J., & Koles, P. (2014). Modified Peer Instruction Improves Exam Scores in Pharmacology. *Medical Education*.
2. Deardorff, A.S., McCormick, C., Moore, J.A., Koles, P.G., & Borges, N.J. (2014). Incentive Structure in Team-Based Learning: Graded vs. Ungraded Group Application Exercises. *Journal of Educational Evaluation in Health Professions*.
3. Goodin, J.B., Duffy, R.D., Borges, N.J., Ulman, C.A., D'Brot, V.M., & Manuel, R.S., (2014). Medical Students with Low Self-efficacy Bolstered by Calling to Medical Specialty. *Perspectives on Medical Education*, 3, 89-100.
4. Borges, N.J. & Savickas, S. (2014). Work Style Preferences among Medical Specialties. *Journal of Vocational Behavior*, 84(3), 303-306.

5. Whitt, R, Toussaint, G., Binder, S.B., & Borges, N.J. (2014). Strengthening Student Communication through Pediatric Standardized Patient Encounters. *Journal of Educational Evaluation in Health Professions*, 11, 21.

## In Press Papers

1. Esparez, S., Binder, S.B., & Borges, N.J. (in press). How Prepared are Medical Students to Diagnose and Manage Common Ocular Conditions? *Journal of Educational Evaluation in Health Professions*.
2. Thompson, B.M., Haidet, P., Borges, N.J., Carchedi, L.R., Roman, B.J., Townsend, M.H., Butler, A., Swanson, D.B., & Levine, R.E. (in press). Team Cohesiveness, Team Size, and Team Performance in Team-Based Learning Teams. *Medical Education*.
3. Zanardelli, G., Sim, W., Borges, N.J., Roman, B. (in press.) Well-Being, Attitudes toward Counseling, Willingness to Seek Counseling in First-Year Medical Students. *Academic Psychiatry*.
4. Borges, N.J., Thompson, B., Roman, B.J., Townsend, M., Carchedi, L., Cluver, J., Frank, J., & Levine, R. *Team Emotional Intelligence, Team Interactions, and Gender in Medical Students during a Psychiatry Clerkship*. *Academic Psychiatry*

## Posters

1. Balch, M.H.H, Ream, L, & Borges, N.J. (2014, April). *Use of Peer Instruction in an interactive medical histology laboratory*. Poster presented at the American Association of Anatomists Annual Meeting, San Diego, CA.
2. Ulman, C., & Borges, N.J. (2014, March). *Is there a Right Way to Study for Medical School Exams? How Medical Students' Personal and Academic Habits Affect Their Exam Performance*. Poster presented at the Association of American Medical Colleges Central Group on Educational Affairs Spring meeting, Cleveland, OH.
3. Krishnamurthy, S., Borges, N.J., & Koles, P.K. (2014, March). *Interactive Case Vignette and Slide-Based Pathology Modules Improve Student Understanding of Disease Processes*. Poster presented at the United States & Canadian Academy of Pathology's 103<sup>rd</sup> Annual Meeting, San Diego, CA.

## Papers Presented

1. Zanardelli, G., Sim, W., Borges, N.J., & Roman, B. (2014, September). Well-Being, Attitudes toward Counseling Willingness to Seek Counseling in First-Year Medical Students. Paper presented at the annual Association for Medical Education in Europe conference, Milan, Italy.
2. Bott, L.M., Duffy, R.D., Borges, N.J., Braun, T., Jordan, K., & Marino, J. (2014, July). *Called to Medicine: A Qualitative Study of Physicians' Experience of Career Calling*. Paper presented at the International Congress on Applied Psychology, Paris, France.
3. Ulman, C., Borges, N.J., & Binder, B. (2014, March). *Assessment of Medical Students' Proficiency in Dermatology: Are Medical Students Adequately Prepared to Diagnose and Treat Common Dermatologic Conditions?* Paper presented at the Association of American Medical Colleges Central Group on Educational Affairs Spring meeting, Cleveland, OH.

## Presentations, Panels & Workshops- Conferences

1. Borges, N.J. *Developing Research Questions and Designing Studies for your Scholarly Activities in Medical Education*. Symposia chaired by R. Luffer on Energizing your Educational Scholarship

presented at the American Association of Anatomists Annual Meeting, San Diego, CA. (April 26, 2014).

2. Borges, N.J. *Designing and Executing a Medical Education Research Study*. Plenary delivered at the Group for Research in Pathology Education, Galveston, TX (January 18, 2014).
3. Borges, N.J. *Generational Differences among Learners: Theory, Research, and Educational Implications*. Workshop conducted at the Group for Research in Pathology Education. Galveston, TX (January 17 & 18, 2014).

### **Invited Seminars, Presentations, Symposia, and Workshops**

1. Borges, N.J. *Developing Research Questions and Designing Studies for your Scholarly Activities in Medical Education*. Symposia chaired by R. Lufler on Energizing your Educational Scholarship presented at the American Association of Anatomists Annual Meeting, San Diego, CA. (April 26, 2014).
2. Borges, N.J. *Designing and Executing a Medical Education Research Study*. Plenary delivered at the Group for Research in Pathology Education, Galveston, TX (January 18, 2014).
3. Borges, N.J. *Generational Differences among Learners: Theory, Research, and Educational Implications*. Workshop conducted at the Group for Research in Pathology Education. Galveston, TX (January 17 & 18, 2014).

#### **Dr. Parmelee**

### **Faculty Development Presentations/Activities**

1. "Team Based Learning 101" for the 12th Annual Team-Based Learning Collaborative Meeting, Fort Worth, TX, March 2014.
2. Faculty Development Workshops on Team-Based Learning for University of Colorado School of Medicine and Allied Health, August 2014, Denver, Colorado.

### **Publications/Poster Presentations**

1. Peyton, E. J., Steele-Johnson, D., Brewer, T., Ulrich, D., Parmelee, D., & Juvina, I. Examining Shared Leadership and Decision Making as Processes that Underpin TBL's Relationship with Academic Performance. Poster Session presented at the 13th Annual Team-Based Learning Collaborative Conference, Fort Worth, TX, March 2014.
2. Azzam al-Kadi, Fayig El-Migdadi, Dean Parmelee, Fahad Al-Shehri, Bassam Alkhalifah, Adil Altwairgi and Saleh Al-Damegh. Preparing Faculty & Students for Using TBL within a Medical Doctor (MD) Program in Saudi Arabia. Poster Session presented at the 13th Annual Team-Based Learning Collaborative Conference, Fort Worth, TX, March 2014.
3. Parmelee, D.X. and Al-Kadi, A. (2014) Team-Based Learning. In W.B. Jeffries, K.N. Huggett (eds.), *An Introduction to Medical Teaching*, 2nd Edition. Springer, New York.

#### **Dr. Roman**

### **Faculty Development Presentations/Activities**

1. Marshall University School of Pharmacy Faculty Development Workshops
2. Reviewer for "A UT System Common Curriculum for the Psychiatry Medical Student Clerkship using Team-Based Learning (TBL) to address the DSM-5"

### **Grants**

1. Central Group on Educational Affairs Collaborative Grant. \$5000 (2012-13) Developing a Curriculum for Understanding LGBT Concerns. Neeley, Sabrina, Ph.D. (PI), Roman, Brenda, M.D., Zabinski, Jeff, Beck, Gary, Ph.D, Bragg, Dawn, Emrich, Jeff, Medder, Jim.

2. HealthPath Foundation of Ohio. \$73,663 (2013-14). Wright Rural Scholars Program. Pascoe, John, M.D., Roman, Brenda, M.D., Neeley, Sabrina, M.D.
3. American Psychiatric Foundation Helping Hands Grant. \$2225 (2013) Project Parenthood. Scott, Jasmin, and Welko, Ashleigh (Co-PI's), Roman, Brenda, M.D. (Faculty Advisor)
4. Ohio Regents. \$90,000/year (2012, 2013). Ohio Innovation Partnership Choose Ohio First Scholarship Program. LeRoy, Gary, M.D. (PI), Roman, Brenda, M.D., Binder, Bruce, M.D., Ph.D., Sloas, Gwen, Ed.D.

## Published Papers/Accepted

1. Reddy, S, Wallenstein, J, Roman, B, Chao, J, Carter, J, Katz, N, Nesbit, R, Beck, G and Cleary, L. Alliance for Clinical Education Position Paper: Recommendations for Enhancing the Educational Value of the "Fourth Year" of Medical School. Accepted Teaching and Learning in Medicine 2013.
2. Roman, B, Briscoe, G and Gay, T. Psychiatric Educator Supports, Rewards and Resources. Accepted Academic Psychiatry 2013.
3. Roman, B, Popritkin, J, Borges, N and Summusetty, P. Psychiatry's Duty: Shifting attitudes toward the mentally ill among pre-clinical and clinical students. Annals of Behavioral Science and Medical Education. 2013; vol 19; 2: 22-25
4. Neeley, S, Roman, B and Parmelee, D. Teenage Pregnancy: Team-Based Learning Exercise. MedEdPORTAL; 2013. Available from: [www.mededportal.org/publication/9357](http://www.mededportal.org/publication/9357)
5. Backes, K, Borges, N, Binder, S, and Roman, B. First-Year Medical Student Objective Structured Clinical Exam (OSCE) Performance and Specialty Choice. The International Journal of Medical Education. 2013;4:38-40
6. Hurtubise, L, and Roman, B. (in press) Competency Based Curricular Design to Encourage Significant Learning. Current Problems in Pediatrics and Adolescent Health Care

## Presentations

1. Evaluation and Grading in Clerkships and Beyond: Current State and Future Directions. Association of American Medical Colleges, Philadelphia, PA, November 2013.
2. Using Fink's Model of Significant Learning Model to Reform a Medical School Curriculum. The Generalists in Medical Education, Philadelphia, PA, November 2013.
3. Academic Leadership—what you are doing now may not get you where you want to be. Association of Directors of Medical Student Educators in Psychiatry, Williamsburg, VA, June 2013.
4. High Fidelity Simulation in a Psychopathology Course: Yes, You Can! Association of Directors of Medical Student Educators in Psychiatry, Williamsburg, VA, June 2013.
5. Breaking the Taboo; Clerkship Directors Facilitating Academic and Professional Development of Students. Central Group on Educational Affairs, Cincinnati, OH, March 2013.
6. Zanardelli, G., Sim, W., Borges, N.J., Roman, B., Rodgers, S., Kiraly, C. (2013, March). Well-Being, Attitudes toward Counseling, Willingness to Seek Counseling in Medical Schools with and without Integrated Wellness Programming. Oral presentation at the Association of American Medical College's Central Group on Educational Affairs Spring meeting, Cincinnati, OH. Recipient of 2013 Award for Best Oral Research Presentation.

## Poster Presentations

1. Attitudes of Medical Students Towards Patients with Substance Abuse Disorders During Clinical and Preclinical Years – Does Education Make a Difference? Association of Directors of Medical Student Educators in Psychiatry, Williamsburg, VA, June 2013.
2. Attitudes of Medical Students towards the Suicidal Patient during Clinical and Preclinical Years: "Can I help these patients?" Association of Directors of Medical Student Educators in Psychiatry, Williamsburg, VA, June 2013.
3. A Curriculum Designed for Significant Learning. Executive Leadership in Academic Medicine Leaders Forum, Philadelphia, PA, April 2013
4. A Comparison of Team Cohesiveness and Performance in Team-Based Learning Teams versus Conventional Student Groups. Association of American Medical Colleges, Philadelphia, PA, November 2013.

## Editorial Reviewerships

1. *Academic Psychiatry*, Reviewer, 1995-Present,
2. *Editorial Board of Academic Psychiatry*, 2009-Present
3. AAMC MedEdPORTAL, 2007 to present
4. *Journal of the American Medical Association*, 2011-Present



5. *Teaching and Learning in Medicine*, 2011-Present
6. *Patient Education and Counseling*, 2011-Present

### **Other professional activities**

1. ELAM Fellow, completion April 2013, ELAM Applicant Reviewer

# 6 Summary of Service Activities

## **Student Advising and Tutoring**

Ms. Laura Johnson, the OAA Academic Advisor and Tutoring Coordinator, has been instrumental in assuring that students in the first Biennium do not take Step One until they are well-prepared to pass. This has helped generate the very positive news for this academic year that 99% of first-time takers passed. She is expanding her 'reach' now to include Biennium Two students so that we can enhance our school performance on Step Two. She has become an invaluable member of the team that works to build student success at all levels, throughout all four years. In academic year 2012-2013, she had approximately 250 student visits for academic advising/counseling. She conducted numerous workshops, re-designed and managed the Peer Tutor system, and produced a manual on academic advising. She also helped to develop a manual for the advising system for our partnership with Qassim's Unaizah College of Medicine.

## **National**

The following four faculty are serving terms with the National Board of Medical Examiners (NBME) on the new question-writing teams that will bridge Steps 1, 2, and 3: Drs. Koles, Roman, and Toussaint. (And, formerly Dr. B. Laurel Elder.)

Dr. Borges served as Program Chair for the 2014 CGEA meeting in March – a long year of preparations, meetings, and reviews.

## **International**

The following faculty and staff have traveled to Saudi Arabia to train, teach, plan, interact, and assist in the development of the faculty and curriculum programs of Qassim University, Unaizah College of Medicine: Drs. Marjorie Bowman, Dean Parmelee, Lawrence Prochaska, S. Bruce Binder, Brenda Roman, Laura Johnson, Sabrina Neeley, Paul Koles, and Gary Onady. These traveled between January 1, 2014 and December 31, 2014.

In 2014 the Office of Academic Affairs hosted the visitation of the following faculty members from Qassim University's Unaizah College of Medicine for training, planning, and assisting in the development of the curriculum: Drs. Walaa Ahmed Abdou Fada, Walid Ibrahim Ahmed Wadi, Bassam Ibrahim A. Al Khalifah, Mohammed Elmuttalt, Fahad Almatham, and Ayman Mohammed Hassan Mousa.