

*Curriculum Vitae*  
**MINDY J. FAIN, MD**

**CHRONOLOGY OF EDUCATION AND TRAINING**

- 1973            A.B. Biology. New York University, Washington Square College of Arts and Sciences, New York City, NY 09/69 - 05/73
- 1977            M.D. New York University School of Medicine, New York, NY 09/73 - 05/77
- 1977 - 1980    Resident in Medicine, University Hospital of Cleveland, Cleveland, Ohio 06/77 - 06/80
- 1980 - 1981    Fellow, Infectious Disease, University Hospital of Cleveland, Cleveland, Ohio 07/80 - 06/81
- 2005            Leadership Development for Physicians in Academic Health Centers, Harvard School of Public Health, Department of Health Policy and Management. Boston, Massachusetts 10/05-11/05
- 2008 – 2009    Executive Leadership in Academic Medicine (ELAM) Program for Women, Drexel University, College of Medicine, Philadelphia, Pennsylvania. An intensive one-year program of leadership training for selected senior women faculty in leadership positions at academic health centers. 5/08-6/09

**CHRONOLOGY OF EMPLOYMENT**

- 1981 - 1984    Assistant Professor of Medicine, Tufts University School of Medicine, Boston, Massachusetts 07/81 - 06/84
- 1981 - 1984    Attending Physician, Medicine, Lemuel Shattuck Hospital, Boston, Massachusetts 07/81 - 06/84
- 1983 - 1984    Attending Physician, Medicine, Faulkner Hospital, Boston, Massachusetts 07/83 – 06/84
- 1984 - 1985    Staff Physician, CIGNA Healthplan of Arizona, Tucson, Arizona 07/84 - 09/85
- 1984 - 1985    Staff Physician, St. Joseph's Hospital, El Dorado Hospital, and Tucson Medical Center, Tucson, Arizona 07/84 - 09/85
- 1985 - 2011    Attending Physician, Hospital-based Primary Care Program, Southern Arizona VA Health Care System, Tucson, Arizona 09/85 – 2/11
- 1986 - 1995    Clinical Assistant Professor of Medicine, University of Arizona, College of Medicine 10/86-06/95
- 1988 - 2011    Medical Director, Home-based Primary Care Program, Southern Arizona VA Health Care System, Tucson, Arizona 11/88 – 2/11

1993 - 1998 Assistant Director, Geriatric Medicine Residency Program, Department of Medicine, University of Arizona, College of Medicine 07/93 – 06/98

1993 - Present Director, Medical Student Electives in Geriatric Medicine, Department of Medicine, University of Arizona, College of Medicine 07/93 - present

1995 - 2000 Assistant Professor of Clinical Medicine, University of Arizona, College of Medicine 07/95-06/00

1996 - 2011 Attending Physician, Geriatrics, Extended Care and Rehabilitation, Southern Arizona VA Health Care System, Tucson, Arizona 11/96 – 2/11

1996 – 2007 Medical Director, University Medical Center Home Health Services, Tucson, Arizona 11/96 - 11/07

1999 - Present Director, Geriatric Medicine Fellowship Program, Department of Medicine, University of Arizona, College of Medicine 07/99 - present

2000 - 2009 Associate Professor of Clinical Medicine, University of Arizona, College of Medicine 07/00 – 06/09

2001 - 2006 Core Faculty, Arizona Geriatric Education Center, University of Arizona 11/01 – 06/06

2002 - 2011 Editor, Arizona Geriatrics Society Journal 07/02 – 6/2011

2003 - 2011 Head, Section of Geriatrics and Gerontology, Department of Medicine, University of Arizona, College of Medicine 07/03 – 05/11

2004 - 2011 Medical Director, Home TeleHealth Implementation Project, Southern Arizona VA Health Care System, Tucson, Arizona 11/04 – 2/11

2005 - Present Associate Professor of Nursing, University of Arizona, College of Nursing, Tucson, Arizona 08/05 - present

2006 – Present Co-Director, Arizona Center on Aging, University of Arizona, Tucson, Arizona 05/06 - present

2006 - Present Director, Arizona Reynolds Program of Applied Geriatrics, University of Arizona, College of Medicine 07/06 - present

2007 – Present Director, Arizona Geriatric Education Center, University of Arizona, Tucson, Arizona 07/07 - present

2009 - 2010 Professor of Clinical Medicine, University of Arizona, College of Medicine 07/09 – 07/10

2010 – Present Professor of Medicine, University of Arizona, College of Medicine 07/10 – present

2011 - Present Co-Editor, Arizona Geriatrics Society Journal 06/11-present

- 2011 - Present Chief, Division of Geriatrics, General Internal Medicine and Palliative Medicine, Department of Medicine, University of Arizona, College of Medicine 6/11 – present
- 2012 - Present Executive Director of Practice Innovation at Arizona Health Sciences Center, University of Arizona 6/12 - present
- 2013 - Present Medical Director, University of Arizona Medical Center Home Health Services, Tucson, Arizona 01/13-present

## **HONORS AND AWARDS**

- 1973 *Phi Beta Kappa*
- 1977 *Alpha Omega Alpha* (Medical Honor Society)
- 1977 Women’s American Medical Association Citation
- 2000 Citation for Demonstrated Excellence in End of Life Care, National Coalition of Health Care and Institute of Healthcare Improvement
- 2000 Excellence in End of Life Care, Breakthrough Series Collaborative on Improving Care for Patients with Advanced CHF and COPD. Institute for Healthcare Improvement, Center to Improve Care for the Dying and Department of Veterans Affairs
- 2000 Geriatrician of the Year, Arizona Geriatrics Society
- 2002 Under Secretary for Health Award, Clinical Programs of Excellence in Home-based Primary Care
- 2003 Local Legend from Arizona, a national recognition by U.S. Congressman Jim Kolbe and the American Medical Women’s Association
- 2004 Certificate of Honor 2003-2004, University of Arizona, for Outstanding Achievements that bring prestige and recognition to the University of Arizona
- 2004-2007 John A. Hartford Geriatric Leadership Scholar Award
- 2006 Dean’s List for Excellence in Teaching in the Clinical Sciences, Faculty Teaching Awards, University of Arizona, College of Medicine
- 2007 National Geriatric Mentor for the John A. Hartford Geriatric Leadership Scholars Program.

## **BOARD CERTIFICATION AND LICENSES**

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|------|--|
| 1978 | National Board of Medical Examiners  |
| 1980 | Diplomate, American Board of Internal Medicine   |
| 1989 | Diplomate, American Board of Internal Medicine, Added Qualifications in Geriatric Medicine                             |
| 1998 | Diplomate, American Board of Internal Medicine, Added Qualifications in Geriatric Medicine (Recertification 1998-2008) |
| 2008 | Diplomate, American Board of Internal Medicine, Geriatric Medicine (Recertification 2008-2018)                         |
| 2012 | Diplomate, American Board of Internal Medicine, Hospice and Palliative Medicine (Certification 2012 – 2022)            |

## **LICENSURE**

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|------|---|
| 1984 | Arizona State Medical License, AZ #15056 (Active) |
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## **SERVICE/OUTREACH**

### **Local/State Outreach**

|                |   |
|----------------|---|
| 1998 - Present | Professional Advisory Board, UMC Home Health Services, University Medical Center  |
| 2001 - 2012    | Member, Death Analysis Review Team (DART) Task Force of the Arizona Attorney General  |
| 2002 - Present | Member, Executive Board, Arizona Geriatrics Society   |
| 2004 - 2007    | Vice President, American Medical Women's Association, Local Chapter   |
| 2007 - 2011    | Member, Senior and Aging Issues Advisory Council, The Honorable Gabrielle Giffords, 8 <sup>th</sup> District, House of Representatives, Congress of the United States |
| 2007 - Present | Member, Senior Advisory Council, Attorney General, State of Arizona   |
| 2007 - 2009    | Member, Community Advisory Board, Junior League of Tucson   |
| 2009 - 2010    | Team Leader, UA Healthcare Delivery Model Team/Health Transformation  |
| 2012 - Present | Member, Mayors Senior Task Force, Tucson, Arizona   |
| 2012 - Present | Board Member, University of Arizona Health Network, Tucson, Arizona   |
| 2012 – Present | Chair, Quality and Safety Committee of the Governing Board, University of Arizona   |

Health Network, Tucson, Arizona

### **National/International Outreach**

|                |  |
|----------------|--|
| 1986 - Present | Member, American Geriatrics Society  |
| 2000 - Present | Member, Association of Directors of Academic Geriatric Medicine Programs   |
| 2003 - Present | Member, Review Board, Journal of the American Geriatrics Society   |
| 2003- Present  | Member, Association of Directors of Geriatric Academic Programs (ADGAP)  |
| 2006- Present  | Invited Member, Association of Directors of Geriatric Academic Programs Nominating Committee   |
| 2007- Present  | Invited Member, Residency Review Education Subcommittee for AGS/ADGAP recommendations to Residency Review Committee for Internal Medicine for revision of Fellowship Programs, American Geriatrics Society |
| 2007- Present  | Invited Grant Reviewer, Department of Health and Human Services, Health Resources and Services Administration  |
| 2007- Present  | Invited Reviewer, Geriatric Academic Career Award Objective Review, Department of Health & Human Services, Health Resources and Services Administration  |
| 2007- Present  | Invited Member, Nominating Committee ADGAP Board for Appointment to the President-Elect Position   |
| 2008-2011      | Vice President, Salud Juntos NGO. Non-profit organization targeted to improving and sustaining the health of communities in Latin America.   |
| 2008- Present  | Invited Member, The Association of Specialty Professors (ASP) Council, as a Liaison Representative of Association of Directors of Geriatric Academic Programs (ADGAP)                                      |
| 2008-2010      | External Advisor, Advisory Committee, Alabama Geriatric Education Center, Birmingham, Alabama  |
| 2011-Present   | Member, Editorial Board, Longevity & Healthspan  |
| 2011-2012      | Board Member, Salud Juntos, NGO.   |
| 2012-Present   | Member, American Board of Internal Medicine Subspecialty Board in Geriatric Medicine   |
| 2012-Present   | Board Member, American Academy of Home Care Physicians   |

- 2012-Present Deputy Chair, American Academy of Home Care Physicians Annual Meeting: Best of Care, Best of Business. May 2012 Grapevine, Texas
- 2012 Ad Hoc Member, National Institute on Aging Special Emphasis Panel Review Committee
- 2012- Present Ad Hoc Member, National Institute on Aging Behavior and Social Science of Aging Review Committee (NIA-S)

### **College Committees**

- 1999 - Present Member, Graduate Medical Education Committee, University of Arizona, College of Medicine
- 2005 - 2011 Member, Curriculum Committee, University of Arizona, College of Medicine
- 2005 - Present Member, Dean's Department Head and Center Directors Advisory Council, University of Arizona, College of Medicine
- 2005 - Present Co-Leader, Aging Thread, ArizonaMED College of Medicine Curriculum Project, University of Arizona, College of Medicine
- 2005 - Present Faculty Advisor, Student Chapter, American Geriatrics Society
- 2007 - Present Member, Library Advisory Committee, Arizona Health Sciences Center, University of Arizona, Tucson, Arizona
- 2011 - Present Member, Interprofessional Education Steering Committee, Arizona Health Sciences Center, Tucson, Arizona
- 2011-2012 Strategic Champion, Transforming Healthcare Delivery and Unifying Culture, University of Arizona College of Medicine, Tucson, Arizona
- 2011 Chair, Search Committee for Chair, Department of Psychiatry

### **Other Committees**

- Sept 2007 AAMC and John A. Hartford Foundation Consensus Conference on Developing Competencies for Geriatric Medical Education
- 2007 Faculty Representative from the University of Arizona to the Governor's Aging 2020 Plan – 2007 Update
- 2008 Chair, Governor's Aging and Long Term Care Healthcare Workforce Task Force. Appointed by Governor Janet Napolitano to develop a healthcare workforce plan to meet the needs of Arizona in the 21<sup>st</sup> Century.

## **PUBLICATIONS: SCHOLARLY BOOKS AND MONOGRAPHS**

**Fain M.** Section Editor, Geriatric Medicine. In: Clinical Medicine, 2nd Edition, Greene H. et al, eds. C.V. Mosby, 1996.

## **PUBLICATIONS: CHAPTERS IN SCHOLARLY BOOKS AND MONOGRAPHS**

### **Textbooks**

1. **Fain M.** Caring for the Elderly at Home. In: Clinical Medicine, In Greene, H. et al, (Eds.) 2nd Ed. C.V. Mosby, 1996.
2. **Fain M.** Geriatric Medicine. In Greene, H. et. al. (Eds.) Geriatric Medicine. 2nd Ed. C. V. Mosby, 1996.
3. Kaufman L, **Fain M**, Bowman K: Hospice Care. In: Greene, H., et al, (Eds.) Clinical Medicine, 2nd Edition, C.V. Mosby, 1996.
4. **Fain M:** Visiting Nurse Programs, Sub-Acute Care and Home Health Care: The Expanding Paradigm. In: Becker R., and Alpert J. (Eds.) Cardiovascular Medicine: Practice and Management, 2001.
5. Ahmed N, Scott R, **Fain M.** Community Based Long Term Care. In Reichel (Ed.) Care of the Elderly 6th Ed., 2008.

## **PUBLICATIONS: REFEREED JOURNAL ARTICLES**

1. Spagnuolo P, **Fain M**, Bass S. Dissociation of neutrophil aggregation, adhesiveness, and Fc receptor activity. Amer. J. Hematology 26:221-228, 1987.
2. **Fain M.** Should older drivers have to prove that they are able to drive? Controversies in Internal Medicine. Archives Int. Med 163:2126-2132, 2003.
3. Demeure M, **Fain M.** The elderly surgical patient and postoperative delirium. Journal of the American College of Surgeons 203(5): 752-757, 2006.
4. Budhiraja B, Van Wyck D, **Fain M.** Chronic kidney disease in the elderly. Journal of the Arizona Geriatrics Society 11(1): 15-17, 2007.
5. Ahmed N, Mandel R, **Fain M.** Frailty: An Emerging Geriatric Syndrome. American Journal of Medicine, 120:748-753, 2007.
6. Do R, Habibzadeh M, **Fain M**, Goldman S. Patterns of anticoagulation and management of atrial fibrillation by primary care providers in a geriatric population. Journal of Investigative Medicine, 55(1), 27, 2007.
7. Phan H, Alpert J, **Fain M.** Frailty, Inflammation, and Cardiovascular Disease: Evidence of a

Connection. *The American Journal of Geriatric Cardiology* 17(2):101-107, 2007.

8. Martin C, **Fain M**, Klotz S. The Older HIV-Positive Adult: A Critical Review of the Literature. *American Journal of Medicine*, 121:1032-1037, 2008.
9. Weiss B, **Fain M**. Geriatric education for the physicians of tomorrow. *Archives of Gerontology and Geriatrics*, 49:S17-S20, 2009
10. Mohler MJ, D'Huyvetter K, Tomasa L, O'Neill L, **Fain M**. Healthy Aging Rounds: Using Healthy-Aging Mentors to Teach Medical Students About Physical Activity and Social Support Assessment, Interviewing, and Prescription. *Journal of the American Geriatrics Society*, 58:2407-2411, 2010
11. Mohler MJ, Wendel CS, Mosier J, Itty A, **Fain M**, Clark L, Bobrow B, Sanders AB. Cardiocerebral Resuscitation Improves Out-of-Hospital Survival in Older Adults. *Journal of the American Geriatrics Society*, 59: 822-826, 2011
12. Weiss,B, Mohler MJ, **Fain MJ**. Geriatrics in Taiwan: What is the solution? *Journal of Clinical Gerontology & Geriatrics*, 2:93-95, 2011
13. Mohler MJ, D'Huyvetter K, Howe C, O'Neill L, Roche V, Rubin C, Shah A and **Fain M**. making Geriatric education Relevant to All Medical Students: The Aging for Specialists Conference. *The Arizona Geriatrics Society Journal*; Vol 17, no. 1. June 2012.
14. Weiss BD, Mohler MJ, **Fain MJ**. Geriatrics in Taiwan: What is the solution? *Journal of Clinical Gerontology & Geriatrics* 2,2012;93–95.

#### **ABSTRACTS**

1. Mohler M, Johnes W, **Fain M**, Campion J, Wilhite R. Prescribing in Elderly Southwestern Veterans in VA Care. *American Geriatrics Society Annual Meeting*, 2004.
2. Budhiraja P, **Fain M**, VanWyck D. Adequacy of Identification, Evaluation and
3. Management of Chronic Kidney Disease by Primary Care Providers in Geriatric Population. *American College of Physicians, Arizona Chapter Annual Meeting*, 2005.
4. Budhiraja P, VanWyck D, **Fain M**. Chronic Kidney Disease Among Elderly Patients: Are Clinical Practice Guidelines Implemented? *American Geriatrics Society Annual Meeting*, 2005.
5. Habibzadeh M, Do R, **Fain M**, VanWyck D, Goldman S. Anticoagulation patterns among primary care providers in a geriatrics population with atrial fibrillation. *Journal of the American Geriatrics Society*, 55(4), S106, 2007.
6. **Fain MJ**, Mohler MJ, Lee JK. Home-Based Primary Care - Over 25 Year of Interprofessional Training Experience. *Interprofessional Collaboration: From Concept to Preparation to Practice. Collaborating Across Borders III* November 2011
7. Mohler MJ, D'Huyvetter K, O'Neill L, Morrison A, Lee JK, Kennedy T, Keller C, Weiss BD, Howe C, **Fain MJ**. How the Arizona Geriatric Education Center went Interprofessional: the



framework, Strategies and Challenges. Interprofessional Collaboration: From Concept to Preparation to Practice. Collaborating Across Borders III November 2011

## POSTERS

1. Browne, RS, Mohler, MJ, D'Huyvetter, K, **Fain, MJ**. Preoperative Assessment Education and Training at the UA Health Network. Poster session presented at: American Geriatrics Society Annual Scientific Meeting; 2011 May 11–14; Washington, DC.
2. Gilligan AM, Goel H, Nagaraja V, Mohler JM, **Fain MJ**, Ball TM, and Abraham I. "Analysis of Health Resource Utilization in a Southern Arizona Dual Eligible SNP Patient Population." Accepted poster presentation for the Frontier's in Biomedical Research Poster Forum at the University of Arizona in Tucson, AZ on November 2, 2011
3. Gilligan AM, Goel H, Nagaraja V, Mohler JM, **Fain MJ**, Ball TM, and Abraham I. "Analysis of Health Resource Utilization in a Southern Arizona Dual Eligible SNP Patient Population." Accepted poster presentation for the 23rd Annual Arizona Geriatrics Society Fall Symposium in Phoenix, AZ from November 4-5, 2011
4. J. Mohler, K.D'Huyvetter, M.Schwenk, C.Wendel, G. Grewal; **M. Fain**, C. J. Brown, B.Najafi; 'In-Home Activity Monitoring in Frail Elders: A New Measure of Function.' 65th Annual Scientific Meeting of the Gerontological Society of America. 11-18 November, 2012.
5. J. Mohler, C Clemens, A. Waer, V. Began, L. O'Neill, K. D'Huyvetter, K. Spear Ellinwood, **M. Fain, MD** 1,2Interprofessional (IP) Chief Resident Immersion Training (IP-CRIT): Supporting the Triple Aim. 65th Annual Scientific Meeting of the Gerontological Society of America. 11-18 November, 2012.
6. Browne, R, Moeller, MJ, D'Huyvetter, K, **Fain, M**. Comprehensive Preoperative Assessment for Older Adults: Developing a Clinical Pathway. Poster presented at: Gerontological Society of America's 65th Annual Scientific Meeting; San Diego, CA. November 14-18, 2012.
7. Garcia, M N., Rajguru, P, Schwenk, M, Mohler, M J., D'Huyvetter, K; Grewal, G S.1; **Fain, M** and Najafi, B .Body-Worn Sensor Technology: Feasibility of in-Home Gait Assessment in Frail Homebound Elders. Society for Hispanic Professional Engineers Conference. November, 2012.
8. Goel H; Mohler MJ; Landman N; **Fain MJ**. Developing the Next Generation of Interprofessional Leaders in Healthcare Innovation for Older Adults. Gerontological Society of America Annual Scientific Meeting, San Diego, CA November, 2012. Accepted for Poster.

## SCHOLARLY PRESENTATIONS

### INVITED SPEAKER

#### Colloquia

1. Update on Geriatrics and the University of Arizona. Governor's Advisory Council on Aging, Phoenix, Arizona, 03/08.
2. Fall Prevention for In-Home Safety. Alzheimer's Association 17<sup>th</sup> Annual Caregiver Conference

on Alzheimer's Disease: The Time is Now, Creating a Safe Environment, Phoenix, Arizona, 04/08.

3. Update on Aging at the University of Arizona. University of Arizona Retirees Association Members Meeting, Tucson, Arizona, 04/08.
4. Co-Managed Care of the Geriatric Fracture Patient – A Multidisciplinary Approach. AO North America, Scottsdale, Arizona, 09/30/2010-10/2/2010
5. To Drive or Not to Drive: What to do? Edmund G. Beacham 38<sup>th</sup> Annual Current Topics in Geriatrics, Johns Hopkins Medicine Continuing Medical Education, Baltimore, MA 02/10/11-02/12/11
6. Death by Bedrest. Robert and Arlene Kogod Center on Aging Grand Rounds. Oct 10 2011 Mayo Clinic, Rochester, MN

### **Seminars**

Health Literacy, Interdisciplinary Seminar for Medical Students, University of Arizona, College of Medicine, 04/04.

### **Symposia**

1. Making Continuity a Priority: Creative Use of Home Care, and Bringing CHF and COPD Management in the Home. Breakout Sessions, "Improvement and Innovation in End of Life Care," Institute for Healthcare Improvement National Congress Breakthrough Series, Washington, DC, 02/01.
2. Life's Journey: The Later Years, Sixth Annual Healing Arts Conference: Medicine, Ethics, and Humanities, Continuing Medical Education, University of Arizona, College of Medicine, 04/01.
3. Improving Palliative Care in Advanced Heart and Lung Disease, Center to Advance Palliative Care National Conference, Chicago, Illinois, 10/01.
4. Building a Geriatrics Program of Excellence, 22<sup>nd</sup> Annual Administrators in Internal Medicine Educational Conference, Tucson, Arizona, 10/01.
5. The Elder Driver: Demographics and Medical Concerns, 13<sup>th</sup> Annual Arizona Geriatrics Society Pre-Conference Series, Tempe, Arizona, 08/01.
6. Death by Bedrest: Deconditioning in the Elderly, 15<sup>th</sup> Annual Arizona Geriatrics Society Symposium and Conference, Scottsdale, Arizona, 11/03.
7. Care of the Older Adult, Summer Faculty Intensive "Caring for the Older Adult: An Overview of Common Problems," Arizona Geriatric Center, University of Arizona, 05/04.
8. Chronic Disease Seminar, University of Arizona, College of Medicine, 03/05.
9. Cultural Differences in Dementia Caregiving Experiences, VISN 18 Research Forum: Translational Research, Southern Arizona VA Health Care Center, Tucson, Arizona, 03/05.

10. Transitions in Care: When Needs Change, 11th Annual Caregiver Conference: “Walking in our Shoes,” Tucson, Arizona, 04/06.
11. Death by Bedrest, Second Annual Spring Educational Conference, Geriatric Update, Southern Arizona VA Health Care System, Tucson, Arizona, 05/07.
12. Creating an Aging-Sensitive Hospital: Interdisciplinary Training Program at University Physicians Healthcare Hospital, Tucson, Arizona, 04/08.
13. On Mentoring: Session for Jahnigen Scholars, Section for Surgical and Related Medical Specialties Educational Program: Challenges and Opportunities in Peri-operative Geriatric Medicine, Washington, DC, 05/08. Served as a national advisor to over fifty Jahnigen Scholars, emerging researchers in surgery and related specialties.
14. “There’s No Place Like Home:” The Promise of Co-Adaptive Learning for Aging in Place. Keynote Address for Co-Adaptive Learning: Adaptive Technology for the Aging Symposium. Supported by the National Science Foundation and the Center for Adaptive Neural Systems. Arizona State University, Tempe, AZ January 9, 2009
15. “Medical Conditions and Mental Health in Older Adults” Behavioral Health Conference Tucson, AZ April 5, 2010
16. “Frailty: A Clinical Perspective.” Plenary Chair: Frailty and Inflammation. 39<sup>th</sup> Annual Conference of the American Aging Association (AGE), Portland, OR June 2010
17. Session Chair, “Wellness, Healthspan, and Frailty: Beyond Lifespan Extension.” First annual Mayo Clinic Robert and Arlene Kogod Center on Aging Conference: Next Step in Aging Research: From Bench to Bedside. Redwing, Minnesota June 2010
18. Session Chair, “Clinical Aspects of Frailty and Healthspan.” 2011 Alliance for Healthy Aging Symposium on Frailty and Healthspan, 2<sup>nd</sup> Annual Mayo Clinic Robert and Arlene Kogod Center on Aging Conference. Gronigen, the Netherlands Oct 2011

### **Conferences**

1. Death by Bedrest: The Perils of Hospitalization, Continuing Medical Education, Department of Medicine Grand Rounds, Weekly Conference, University of Arizona, College of Medicine, 01/01.
2. Clinical Correlations with Geriatrics: Approach to the Elderly Patient; Hazards of Hospitalization in the Elderly; Deconditioning in the elderly; Urinary Incontinence, 03/01.
3. Preparation in Clinical Medicine Course, University of Arizona, College of Medicine, 04/01.
4. Home-based Management of Advanced Heart Failure, Grand Rounds, Sun Health, Phoenix, Arizona, 07/01.

5. Home Management of Heart Failure, Management Conference, Southern Arizona VA Health Care System, Tucson, Arizona, 08/01.
6. The Elder Driver, Management Conference, Southern Arizona VA Health Care System, Tucson, Arizona, 08/01.
7. Clinical Correlations with Geriatrics: Care of the Older Patient; Hazards of Hospitalization in the Elderly. Preparation in Clinical Medicine Course, University of Arizona, College of Medicine, 03/02.
8. Death by Bedrest: The Hazards of Hospitalization for the Elderly, Grand Rounds, Arizona Geriatric Education Center, University of Arizona, 01/03.
9. Clinical Correlations with Geriatrics: Care of the Older Patient; Death by Bedrest: Hazards of Hospitalization in the Elderly. Preparation in Clinical Medicine Course, University of Arizona, College of Medicine, 01/03.
10. Geriatric Update: Fresh Thoughts for Some Old Problems, Continuing Medical Education, Department of Medicine Weekly Conference, University of Arizona, College of Medicine, 03/03.
11. Dementia, Continuing Medical Education, Department of Family and Community Medicine Weekly Conference, University of Arizona, College of Medicine, 10/03.
12. Epidemiology and Heart Failure, Epidemiology and Aging Course, College of Public Health, University of Arizona, 10/03.
13. Ageism – Is it a Problem? Continuing Medical Education, Department of Medicine Grand Rounds Weekly Conference, University of Arizona, College of Medicine, 11/03.
14. Influenza and the Elderly, Grand Rounds, Arizona Geriatric Education Center, University of Arizona, 12/03.
15. Preparation in Clinical Medicine Course: Approach to the Care of the Older Adult; Death by Bedrest: The Hazards of Hospitalization for the Elderly, University of Arizona, College of Medicine, 04/04.
16. Cultural Competency for the Older Adult, Social and Behavioral Sciences Course, University of Arizona, College of Medicine, 12/04.
17. Care of the Older Adult, University of Arizona, College of Pharmacy, 03/05.
18. Old Age and Care Near the End of Life, Epidemiology of Aging Course, University of Arizona, College of Public Health, 05/05.
19. Death by Bedrest, Management Conference, Southern Arizona VA Health Care System, Tucson, Arizona, 06/05.

20. Care of the Older Adult, Social and Behavioral Sciences Course, University of Arizona, College of Medicine, 11/05.
21. Alzheimer's Update, Medical Grand Rounds, St. Mary's Hospital, Tucson, Arizona, 01/06.
22. Preparation for Clinical Medicine Course: Death by Bedrest; Care of the Older Adult, University of Arizona, College of Medicine, 03/06 – 04/06.
23. Dementia: A Practical Approach, VA Management Grand Rounds, Southern Arizona VA Health Care Center, Tucson, Arizona, 04/06.
24. Chronic Disease and Aging, Epidemiology of Aging Course, University of Arizona, College of Public Health, 04/06.
25. Assessing the Elderly Driver, Resident Core Conference, Southern Arizona VA Health Care Center, Tucson, Arizona, 05/06.
26. Assessing the Elderly Driver, Resident Core Conference, University Medical Center, University of Arizona, College of Medicine, 05/06.
27. Comprehensive Geriatric Assessment, Resident Core Conference, Southern Arizona VA Health Care Center, Tucson, Arizona, 06/06.
28. Death by Bedrest: A Surgical Perspective, Department of Surgery Grand Rounds, University of Arizona, College of Medicine, 08/06.
29. Dementia, Resident Core Conference, Southern Arizona VA Health Care Center, Tucson, Arizona, 09/06.
30. Dementia: A Clinical Approach, Grand Rounds, Arizona Geriatric Education Center, University of Arizona, 09/07.
31. LifeCycle Block Geriatric Series: Death by Bedrest; Dementia, Delirium and Depression; Elder Abuse and Neglect; Medicare Part D Team Learning; University of Arizona, College of Medicine, 12/07.
32. Death by Bedrest. CardioPulmonaryRenal (CPR) Block, University of Arizona, College of Medicine – Phoenix Campus, 04/08.
33. Chronic Care Model: Building a Healthcare System in La Guacamaya, Honduras, University of Arizona, College of Medicine, 06/08.
34. LifeCycle Block Geriatric Series: Death by Bedrest; Dementia, Delirium and Depression; Elder Abuse and Neglect; Medicare Part D Team Learning; University of Arizona, College of Medicine, 12/08
35. Dementia and Delirium: Resident's Teaching Seminar. University of Arizona, College of Medicine, 12/08

36. Depression and Dementia. LifeSpan Block. University of Arizona College of Medicine, Phoenix Campus 1/09
37. The Older Driver. Clinical Management Conference. Southern Arizona VA Health Care System, 1/20/09
38. Death by Bedrest. University of Texas Medical School at Houston's Training Excellence in Aging Studies Program 9/27/09
39. Dementia: Neurology Grand Rounds. University of Texas Medical School at Houston's Training Excellence in Aging Studies Program 9/28/09
40. Death by Bedrest. University of North Texas Health Sciences Center, GET-IT Training Program 10/27/09
41. Update in Geriatric Literature. Arizona Geriatrics Society 2009 Annual Fall Symposium. 11/14/09
42. Dementia, Depression and Delirium. Lifecycle Block. University of Arizona College of Medicine 2/24/10
43. Elder Abuse and Neglect. Lifecycle Block. University of Arizona College of Medicine 2/23/10
44. Dementia and Delirium. Resident's Teaching Seminar. University of Arizona, College of Medicine 3/4/10
45. Hazards of hospitalization. Lifecycle Block. University of Arizona College of Medicine 2/25/10
46. Death by Bedrest. CardioPulmonaryRenal Block. University of Arizona College of Medicine, Phoenix Campus 4/6/10
47. The Older Driver. Reynolds Visiting Professor. Geriatric Grand Rounds. University of North Texas Health Sciences Center, Fort Worth, Texas 10/6/2010
48. Death by Bedrest. Urology Grand Rounds. University of Arizona College of Medicine 10/13/2010
49. Dementia and Delirium. Resident's Academic Seminar. University of Arizona College of Medicine 10/14/2010
50. Update in Geriatric Literature. Arizona Geriatrics Society 2010 Annual Fall Symposium. 10/30/2010
51. The Older Driver. Clinical Management Conference. Southern Arizona VA Healthcare System 11/17/2010
52. Death by Bedrest. Geriatric Grand Rounds. University of Texas Southwestern Medical Center, Dallas, Texas 12/1/2010

53. To Drive or Not to Drive: The Older Driver. Medical Grand Rounds. University of Arizona College of Medicine 1/5/2011
54. Death by Bedrest. Medical Grand Rounds. University of California Irvine, Irvine, California 02/15/11
55. Death by Bedrest. Resident Teaching Day. University of Arizona College of Medicine 02/17/11
56. Death by Bedrest. Geriatric Grand Rounds. Southern Arizona VA Healthcare System, 3/7/2011
57. To Drive or Not to Drive. Medical Grand Rounds. Tucson Medical Center, Tucson, Arizona 4/6/2011

## **OTHER TEACHING**

### **Courses**

1. Biomedical Aspects of Aging (GERO51). Lead Faculty. Graduate Programs in Gerontology. (Summer 2005, 2006, 2007, 2008)
2. International Health Pre-Course for Medical Students. Co-Faculty. College of Medicine International Preceptorship. (Spring 2008)

### **Student Committee Work**

Committee: Ted Rigney (PhD, Nursing Program 2007)

Committee: Skye Nicholas (PhD, Epidemiology Program)

Committee: Karen D'Huyvetter, ND, MPH (PhD, Epidemiology Program)

### **Career Development Mentees (Selected)**

HRSA-Geriatric Academic Career Award: Janet Champion, MD, MPH 2004-2007

AFAR/MSTAR: Nilay Kavathia, Medical Student, 2004

VA Career Development Applicant: Katherine Neiderer, DPM, MPH 2007

Dennis Jahnigen Career Development Applicant: Ilana Addis, MD, MPH 2007

AFAR/MSTAR: Emanuel Narcis Husu, Medical Student 2007-

Summer Institute-Geriatric Medicine/Boston University: Keta Josiphura, Medical Student 2008

Brookdale Aging Career Development: Manish Bharara, PhD 2008

AFAR/MSTAR: Joshua Choi, Medical Student 2008-

Mentor, Geriatric Academic Career Award (Rosemary Browne, MD) U.S. Department of Health and Human Services, Health Resources and Services Administration 2009-2014

AFAR/MSTAR: Keith Primeau, Medical Student 2009-

AFAR/MSTAR: Gregory Lisse, Medical Student 2009-

AFAR/MSTAR: Daniel Butler, Medical Student 2009-

AFAR/MSTAR: Josie Acuna, Medical Student 2009-

AFAR/MSTAR: Jessica Hubbs, Medical Student 2010-

AFAR/MSTAR: Jeanne Feuerstein, Medical Student 2010-

AFAR/MSTAR: Zoe Vomberg, Medical Student 2010-

AFAR/MSTAR: Kelley Saunders, Medical Student 2010-

AFAR/MSTAR: Jessica Hubbs, Jeanne Feuerstein, Zoe Vomberg, Kelley Saunders 2010-2014

Mentor, Geriatric Academic Career Award (Rosemary Browne, MD) U.S. Department of Health and

Human Services, Health Resources and Services Administration 2009-2014  
AFAR/MSTAR: Meenal Misal, Jeannie Katzenberg, Omar Meziab, David Reeder, Rebecca Fega 2011-2015

## GRANTS AND CONTRACTS

### Federal

1. Title: *Cooperative Studies in Health Services 003: A Multi-Site Randomized Trial of Team Managed Hospital Based Home Care*, 01/01/94-12/31/96  
Role: Site Co-Investigator, 5% effort  
Source: Department of Veterans Affairs, Cooperative Studies Program  
Funding: Unfunded VA Project  
Description: The goal of this national VA CSP study was to evaluate comprehensive multi-disciplinary home-based care on health care outcomes for frail elderly.
2. Title: *Evaluating the Breakthrough Series Collaborative on Improving Care for Patients with Advanced CHF/COPD- Medicaring Project*, 0/01/99-04/30/00  
Role: Site PI, 5% effort  
Source: Department of Veterans Affairs in Collaboration with George Washington University  
Funding: Unfunded VA Project  
Description: The goal of this study was to analyze the effects of quality improvement initiatives in the care of persons with advanced heart and lung disease.
3. Title: *Breakthrough Series Collaborative on Improving Care for Patients with Advanced CHF and COPD*, 1999-2000  
Role: Site PI, 5% effort  
Source: Department of Veterans Affairs, Institute of Healthcare Improvement and Center to Improve Care of the Dying  
Funding: Unfunded VA Project  
Description: The goal of this national project was to evaluate multi-disciplinary home-based quality improvement initiatives in the care of veterans with advanced heart and lung disease.
4. Title: *Cultural Differences in Dementia Caregivers*, 01/01/04-12/31/04  
Role: Site PI, 5% effort  
Source: Department of Veterans Affairs, VISN 18 New Investigator Pilot Grant Program  
Funding: \$30,000  
Description: The purpose of this project was to examine the cultural differences in dementia caregiving experiences between Hispanic/Mexican American and non-Hispanic White caregivers of veterans with dementia in Southern Arizona, to develop culturally appropriate caregiver support services and to assist in resource planning.
5. Title: *TeleHealth Disease Management Program*, 10/1/2004-9/30/2005  
Role: Co-PI, 5% effort  
Source: Office of Care Coordination, Veteran Health Administration, Washington, D.C.  
Funding: \$1,000,000  
Description: One-year program to support the implementation and evaluation of care coordination utilizing TeleHealth programs to enhance the care of veterans with advanced heart and lung disease.



6. Title: *Anemia and its Relationship with Sarcopenia, Physical Function, and Mortality*, 2007-2010 (Chen: PI)  
 Role: Co-Investigator 2.5% effort  
 Source: National Institutes of Health  
 Funding: \$650,000  
 Description: RO1 targeted to explore the relationship of anemia on sarcopenia, functioning and all-cause mortality.
  
7. Title: *Geriatric Education Center*, 2007-2010  
 Role: PI, 25% effort  
 Source: Department of Health and Human Services  
 Funding: \$1,100,000  
 Description: The purpose of this grant is to provide interdisciplinary geriatric education and training of Arizona's health professions faculty, students, and practitioners to prepare them to care for the rapidly growing older population.
  
8. Submitted 12/05/2008 Portable Device for Telecare Monitoring of Elderly People  
 1 R41 AG032748-01A1.  
 Role: Consultant/ Co-Investigator, pro bono, consultant  
 Description: The purpose of this Phase 1 STTR grant is to develop an activity monitor to assist in the care of frail elders. NIH-NIA (STTR) BioSensics, Chicago, IL
  
9. Submitted 12/05/2008 Portable Auto-BioFeedback and Health Monitoring System for People with Mild Cognitive Impairment and Traumatic Brain Injury  
 Role: Consultant/ Co-Investigator, pro bono  
 1R41 AG033996-01.  
 The purpose of this Phase 1 STTR grant is to develop an activity monitor to assist in the care of people living with Mild Cognitive Impairment and Traumatic Brian Injury NIH-NIA (STTR) BioSensics, Chicago, IL
  
10. Title: *Geriatric Education Center*, 2010-2015  
 Role: PI, 22% effort  
 Source: Department of Health and Human Services  
 Funding: \$1,900,000  
 Description: The purpose of this grant is to provide interdisciplinary geriatric education and training of Arizona's health professions faculty, students, and practitioners to prepare them to care for the rapidly growing older population.
  
11. Title: *Epidemiologic follow-up study of newly diagnosed epilepsy among seniors from different ethnic groups*, 2010-2014 (Labiner and Chong, Co-PIs)  
 Role: Co-Investigator  
 Source: CDC  
 Funding: \$1,600,000  
 Description: This is a longitudinal study of newly diagnosed epilepsy among the elderly from different ethnic groups to determine the incidence of newly diagnosed epilepsy, and explore the relationship between Hispanic, American Indian and non-Hispanic whites with epilepsy.

#### **Private Foundations**

1. Title: *Arizona Reynolds Program in Applied Research*, 2006-2010  
 Role: PI, 25% effort

Source: Donald W. Reynolds Foundation, Aging and Quality of Life Program

Funding: \$2,000,000

Description: A four-year educational geriatric physician's training grant to improve the care of older frail adults throughout the state of Arizona through the training of medical students, residents, faculty, and community physicians.

2. Title: Chief Resident Immersion Training (CRIT) Program Grant, 2011-2013

Role: PI

Source: Hearst Foundations/Association of Directors of Geriatrics Academic Programs

Funding: \$114,000

Description: A two-year educational grant to train chief residents in the care of older hospitalized adults.

3. Title: Portable Device for Telecare Monitoring of Elderly People

NIA 2-R42AG03274802 Chen, Bor-rong/Biosensics, LLC (PI) 9/2012- 8/2014

PHASE II STTR

The purpose of this Phase II STTR grant is to develop and commercialize a novel wearable technology for tele-monitoring of elders at risk of frailty and/or falls using a single and easily wearable sensor, in collaboration with the University of Arizona Center on Aging and i-CAMP.

Role: Geriatric Consultant

This is a true and accurate statement of my activities and accomplishments.

I understand that misrepresentation in securing promotion and tenure may lead to dismissal or suspension under ABOR Policy 6-201 J.1.b.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_