

## KALEB D. MICHAUD

University of Nebraska Medical Center  
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### EDUCATION

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Ph.D. Stanford University, Physics, 2006  
“Costs, Quality of Life and Mortality Outcomes in US Rheumatoid Arthritis Patients”  
Committee: Jayanta Bhattacharya (advisor), Halsted Holman (chair), Alan Garber,  
Lauren Baker, Sebastian Doniach

M.S. Stanford University, Physics, 2001

B.S. University of Rochester, Physics and Astronomy, 1997  
Senior Honors Thesis, “Two-Temperature Model Study of Global Warming”  
Take 5 Scholar (fifth year scholarship) in Biology and Chemistry

### RESEARCH EXPERIENCE

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- 2007- **University of Nebraska Medical Center**, Omaha, NE
- Assistant Professor of Medicine, Section of Rheumatology & Immunology
  - Principal Investigator of RAIN Database: <https://rain.ist.unomaha.edu/>
  - Co-Investigator of Nebraska Arthritis Outcomes Research Center
  - Co-Investigator of VARA registry
- 2001- **Arthritis Research Center Foundation, Inc**, Wichita, KS
- Co-Investigator for the National Data Bank for Rheumatic Diseases (NDB)
  - Expert Stata programmer, wrote hundreds of programs to manage, analyze, and report the ongoing observational database
  - Lead of numerous independent research projects
  - Taught 30+ research fellows how to use and analyze NDB data in joint research projects
- 2004-2006 **Stanford University**, Center for Primary Care and Outcomes Research, Stanford, CA
- Conducted Cost Effectiveness Analysis studies
  - Modeled disability, costs and other outcomes in rheumatoid arthritis
- 1997-2001 **Stanford University**, Department of Physics, Stanford, CA
- Designed and created micro-fabricated substrates to investigate the two-dimensional fluid dynamics and electrophoretic properties of lipid bilayers using fluorescence microscopy
- 1994-1995 **Fermi National Accelerator Laboratory**, Batavia, IL
- Simulated particle events to calibrate the LHC CMS End Cap Test Beam calorimeter
  - Conducted QC of 12K scintillating tiles for CDF End Plug Hadron Calorimeter Upgrade

### PUBLICATIONS (74)

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BJ Mirivsky, K Michaud, GM Thiele, JR O'Dell, GW Cannon, G Kerr, JS Richards, D Johnson, L Caplan, A Reimold, R Hooker, TR Mikuls, “Anti-CCP antibody and rheumatoid factor concentrations predict greater disease activity in men with rheumatoid arthritis”, *Annals of Rheumatic Disease*, in press, 2010.

KH Costenbader, M Khamashta, S Ruiz-Garcia, MT Perez-Rodriguez, M Petri, J Elliott, S Manzi, EW Karlson, T Turner-Stokes, B Bermas, J Coblyn, E Massarotti, P Schur, P Fraser, I Navarro, JG Hanly, TS Shaver, RS Katz, E Chakravarty, PR Fortin, ML Sanchez, J Liu, K Michaud, GS Alarcón, F Wolfe,

"Development and initial validation of a self-assessed lupus organ damage instrument", *Arthritis Care and Research*, Vol. 62(4):559-68, 2010.

F Wolfe, K Michaud, "The loss of health status in rheumatoid arthritis and the effect of biologic therapy: a longitudinal observational study", *Arthritis Research and Therapy*, Vol. 12(2): R35, 2010. (PMID: 20196859)

F Wolfe, K Michaud, T Li, RS Katz, "Chronic Conditions and Health Problems in Rheumatic Diseases: Comparisons with Rheumatoid Arthritis, Noninflammatory Rheumatic Disorders, Systemic Lupus Erythematosus, and Fibromyalgia", *Journal of Rheumatology*, Vol. 37(2):305-315, 2010.

F Wolfe, K Michaud, T Li, R Katz, "EQ-5D and SF-36 Quality of Life Measures in Systemic Lupus Erythematosus: Comparisons with RA, Non-inflammatory Rheumatic Disorders, and Fibromyalgia", *Journal of Rheumatology*, Vol. 37(2):296-304, 2010.

EV Fehringer, TR Mikuls, KD Michaud, WG Henderson, JR O'Dell, "Shoulder Arthroplasties have Fewer Complications than Hip or Knee Arthroplasties in US Veterans.", *Clinical Orthopaedics and Related Research*, Vol. 468(3):717-722, 2010.

A Finckh, N Bansback, CA Marra, AH Anis, K Michaud, et al., "Treatment of Very Early Rheumatoid Arthritis With Symptomatic Therapy, Disease-Modifying Antirheumatic Drugs, or Biologic Agents: A Cost-Effectiveness Analysis", *Annals of Internal Medicine*, Vol. 151(9):612, 2009.

F Wolfe, K Michaud, "Out-of-pocket expenses and their burden in patients with rheumatoid arthritis", *Arthritis Care and Research*, Vol. 61(11):1563, 2009.

JS Richards, J Peng, RL Amdur, TR Mikuls, RS Hooker, K Michaud, AM Reimold, GW Cannon, L Caplan, D Johnson, AE Hines, GS Kerr, "Dual-Energy X-Ray Absorptiometry and Evaluation of the Osteoporosis Self-Assessment Tool in Men With Rheumatoid Arthritis", *Journal of Clinical Densitometry*, Vol. 12(4):434, 2009.

K Michaud, TR Mikuls, SE Call, AM Reimold, R Hooker, GS Kerr, JS Richards, L Caplan, GW Cannon, "Poor to modest agreement between rheumatoid arthritis response measures in clinical practice", *Clinical and Experimental Rheumatology*, Vol. 27(4):633, 2009.

S Gabriel, K Michaud, "Epidemiological studies in incidence, prevalence, mortality, and comorbidity of the rheumatic diseases", *Arthritis Research and Therapy*, Vol. 11(3):229, 2009.

F Wolfe, K Michaud, "Predicting depression in rheumatoid arthritis: The signal importance of pain extent and fatigue, and comorbidity", *Arthritis Care and Research*, Vol. 61(5):667-673, 2009.

F Wolfe, M Boers, D Felson, K Michaud, GA Wells, "Remission in Rheumatoid Arthritis: Physician and Patient Perspectives", *Journal of Rheumatology*, Vol. 36(5):930-3, 2009.

F Wolfe, K Michaud, "Outcome and predictor relationships in fibromyalgia and rheumatoid arthritis: evidence concerning the continuum versus discrete disorder hypothesis", *Journal of Rheumatology*, Vol. 36(4):831-6, 2009.

F Wolfe, K Michaud, "Proposed metrics for the determination of rheumatoid arthritis outcome and treatment success and failure", *Journal of Rheumatology*, Vol. 36(1):27-33, 2009

D Aletaha et al. "Reporting disease activity in clinical trials of patients with rheumatoid arthritis: EULAR/ACR collaborative recommendations", *Annals of Rheumatic Diseases*, Vol. 67(10):1360-4, 2008

F Wolfe, K Michaud. "The risk of myocardial infarction and pharmacologic and nonpharmacologic myocardial infarction predictors in rheumatoid arthritis: A cohort and nested case-control analysis", *Arthritis and Rheumatism*, Vol. 58(9):2612-21, 2008

Z Nadareishvili, K Michaud, JM Hallenbeck, F Wolfe. "Cardiovascular, rheumatologic, and pharmacologic predictors of stroke in patients with rheumatoid arthritis: A nested, case-control study.", *Arthritis and Rheumatism*, Vol. 59(8):1090-6, 2008

F Wolfe, K Michaud, "The challenges of determining RA disease activity and remission in clinical practice", *Nature Clinical Practice*, Vol. 4(9):462-3, 2008

F Wolfe, K Michaud, "Prevalence, Risk, and Risk Factors for Oral and Ocular Dryness with Particular Emphasis on Rheumatoid Arthritis", *Journal of Rheumatology*, Vol. 35(6):1023-30, 2008

TS Shaver, JD Anderson, DN Weidensaul, SS Shahouri, RE Busch, TR Mikuls, K Michaud, F Wolfe, "The Problem of Rheumatoid Arthritis Disease Activity and Remission in Clinical Practice", *Journal of Rheumatology*, *Journal of Rheumatology* Vol. 35(6):1015-22, 2008

AJ Wailoo, N Bansback, A Brennan, K Michaud, RM Nixon, F Wolfe, "Biologic drugs for rheumatoid arthritis in the medicare program: A cost-effectiveness analysis", *Arthritis and Rheumatism*, Vol. 58(4):939-946, 2008

F Wolfe, S Allaire, K Michaud, "The prevalence and incidence of work disability in rheumatoid arthritis, and the effect of anti-tumor necrosis factor on work disability", *Journal of Rheumatology*, Vol. 34(11):2211-2217, 2007

K Michaud, C Bombardier, P Emery, "Quality of life in patients with rheumatoid arthritis: does abatacept make a difference?", *Clinical and Experimental Rheumatology*, Vol. 25(5 Suppl 46):S35-S45, 2007

K Michaud, F Wolfe, "Comorbidities in rheumatoid arthritis", *Best Practices and Research Clinical Rheumatology*, Vol. 21(5):885-906, 2007

F Wolfe, K Michaud, "Biologic treatment of rheumatoid arthritis and the risk of malignancy: Analyses from a large US observational study", *Arthritis & Rheumatism*, Vol. 56(9):2886-2895, 2007

F Wolfe, JJ Rasker, M Boers, GA Wells, K Michaud, "Minimal disease activity, remission, and the long-term outcomes of rheumatoid arthritis", *Arthritis & Rheumatism*, Vol. 57(6):935-942, 2007

F Wolfe, K Michaud, "Assessment of pain in rheumatoid arthritis: minimal clinically significant difference, predictors, and the effect of anti-tumor necrosis factor therapy", *Journal of Rheumatology*, Vol. 34(8):1674-1683, 2007

E Benito-Garcia, K Michaud, F Wolfe, "The effect of low-dose aspirin on the decreased risk of development of dyspepsia and gastrointestinal ulcers associated to cyclooxygenase-2 selective inhibitors", *Journal of Rheumatology*, Vol. 34(8):1765-1769, 2007

F Wolfe, K Michaud, "Resistance of rheumatoid arthritis patients to changing therapy: Discordance between disease activity and patients' treatment choices", *Arthritis & Rheumatism*, Vol. 56(7):2135-2142, 2007

F Wolfe, L Caplan, K Michaud, "Rheumatoid arthritis treatment and the risk of severe interstitial lung disease", *Scandinavian Journal of Rheumatology*, Vol. 36(3):172-178, 2007

F Wolfe, K Michaud, "The effect of methotrexate and anti-tumor necrosis factor therapy on the risk of lymphoma in rheumatoid arthritis in 19,562 patients during 89,710 PERSON-YEARS of observation", *Arthritis & Rheumatism*, Vol. 56(5):1433-1439, 2007

L Caplan, F Wolfe, AS Russell, K Michaud, "Corticosteroid Use in Rheumatoid Arthritis: Prevalence, Predictors, Correlates, and Outcomes", *Journal of Rheumatology*, Vol. 34(4):696-705, 2007

K Michaud, F Wolfe, "The association of rheumatoid arthritis and its treatment with sinus disease", *Journal of Rheumatology*, Vol. 33(12):2412-2415, 2006

F Wolfe, K Michaud, E Chakravarty, "Rates and predictors of herpes zoster in patients with rheumatoid arthritis and non-inflammatory musculoskeletal disorders", *Rheumatology*, Vol. 45(11):1370-1375, 2006

F Wolfe, K Michaud, T Lik, "Sleep disturbance in patients with rheumatoid arthritis: evaluation by medical outcomes study and visual analog sleep scales", *Journal of Rheumatology*, Vol. 33(10):1942-1951, 2006

F Wolfe, K Michaud, T Simon, "Can severity be predicted by treatment variables in rheumatoid arthritis administrative data bases?", *Journal of Rheumatology*, Vol. 33(10):1952-1956, 2006

F Wolfe, K Michaud, "Anemia and renal function in patients with rheumatoid arthritis", *Journal of Rheumatology*, Vol. 33(8):1516-1522, 2006

H Liu, K Michaud, S Nayak, DB Karpf, DK Owens, AM Garber, "The Cost-effectiveness of therapy with teriparatide and alendronate in women with severe osteoporosis", *Archives of Internal Medicine*, Vol 166(11):1209-1217, 2006

S Allaire, F Wolfe, J Niu, N Baker, K Michaud, M Lavalley, "Extent of occupational hand use among persons with rheumatoid arthritis", *Arthritis & Rheumatism*, Vol. 55(2):294-299, 2006

EB Garcia, K Michaud, F Wolfe, "Gastrointestinal prophylactic therapy among patients with arthritis treated by rheumatology specialists", *Journal of Rheumatology*, Vol. 33(4):779-784, 2006

F Wolfe, L Caplan, K Michaud, "Treatment for rheumatoid arthritis and the risk of hospitalization for pneumonia: Associations with prednisone, disease-modifying antirheumatic drugs, and anti-tumor necrosis factor therapy", *Arthritis & Rheumatism*, Vol. 54(2):628-634, 2006

RS Katz, F Wolfe, K Michaud, "Fibromyalgia diagnosis: a comparison of clinical, survey, and American College of Rheumatology criteria", *Arthritis & Rheumatism*, Vol. 54(1):169-176, 2006

F Wolfe, RS Katz, K Michaud, "Jaw pain: its prevalence and meaning in patients with rheumatoid arthritis, osteoarthritis, and fibromyalgia", *Journal of Rheumatology*, Vol. 32(12):2421-2428, 2005

F Wolfe, K Michaud, T Pincus, "A composite disease activity scale for clinical practice, observational studies, and clinical trials: the patient activity scale (PAS/PAS-II)", *Journal of Rheumatology*, Vol. 32(12):2410-2415, 2005

F Wolfe, K Michaud, T Pincus, D Furst, E Keystone, "The disease activity score is not suitable as the sole criterion for initiation and evaluation of anti-tumor necrosis factor therapy in the clinic: discordance between assessment measures and limitations in questionnaire use for regulatory purposes", *Arthritis & Rheumatism*, Vol. 52(12):3873-9, 2005

F Wolfe, K Michaud, "Towards an epidemiology of rheumatoid arthritis outcome with respect to treatment: randomized controlled trials overestimate treatment response and effectiveness", *Rheumatology*, Vol. 44(Suppl 4):iv18-iv22, 2005

F Wolfe, K Michaud, "A brief introduction to the National Data Bank for Rheumatic Diseases", *Clinical and Experimental Rheumatology*, Vol. 23(5 Suppl 39):S168-S171, 2005

E Chakravarty, K Michaud, F Wolfe, "Skin cancer, rheumatoid arthritis, and tumor necrosis factor inhibitors", *Journal of Rheumatology*, Vol. 32:2130-2135, 2005

GA Wells, M Boers, B Shea, K Michaud, et al, "Minimal disease activity for rheumatoid arthritis: a preliminary definition.", *Journal of Rheumatology*, Vol. 32:2016-2024, 2005

F Wolfe, K Michaud, HK Choi, R Williams, "Household income and earnings losses among 6,396 persons with rheumatoid arthritis.", *Journal of Rheumatology*, Vol. 32:1875-1883, 2005

S Allaire, F Wolfe, J Niu, M LaValley, K Michaud, "Work disability and its economic effect on 55-64 year old adults with rheumatoid arthritis", *Arthritis Care & Research*, Vol. 53:603-608, 2005

F Wolfe, K Michaud, "Preliminary evaluation of a visual analog function scale for use in rheumatoid arthritis", *Journal of Rheumatology*, Vol. 32:1261-1266, 2005

N Walker, K Michaud, F Wolfe, "Work limitations among working persons with rheumatoid arthritis: results, reliability, and validity of the work limitations questionnaire in 836 patients", *Journal of Rheumatology*, Vol. 32:1006-1012, 2005

F Wolfe, K Michaud, V Strand, "Expanding the definition of clinical differences: from minimally clinically important differences to really important differences. Analyses in 8931 patients with rheumatoid arthritis", *Journal of Rheumatology*, Vol. 32:583-589, 2005

F Wolfe, K Michaud, K Kahler, M Omar, "The short arthritis assessment scale: a brief assessment questionnaire for rapid evaluation of arthritis severity in research and clinical practice", *Journal of Rheumatology*, Vol. 31:2472-2479, 2004

F Wolfe, L Caplan, K Michaud, "Measuring the efficacy and effectiveness of rheumatoid arthritis therapy: time to change our thinking and adopt a new model", *Journal of Rheumatology*, Vol. 31:2317-2319, 2004

F Wolfe, K Michaud, "Fatigue, rheumatoid arthritis, and anti-tumor necrosis factor therapy: an investigation in 24,831 patients", *Journal of Rheumatology*, Vol. 31:2115-2120, 2004

F Wolfe, K Michaud, "Rheumatoid arthritis and heart failure: The reply", *American Journal of Medicine*, Vol. 117:709, 2004

F Wolfe, K Michaud, "Data collection, maintenance, and analysis for rheumatic disease research", *Rheumatic Diseases Clinics of North America*, Vol. 30:753-768, 2004

F Wolfe, K Michaud, E M DeWitt, "Why results of clinical trials and observational studies of antitumor necrosis factor (anti-TNF) therapy differ: methodological and interpretive issues", *Annals of Rheumatic Disease*, Vol. 63(Supplement II):ii13-ii17, 2004

F Wolfe, K Michaud, T Pincus, "Development and validation of the health assessment questionnaire II: a revised version of the health assessment questionnaire", *Arthritis & Rheumatism*, Vol. 50: 3296-3305, 2004

F Wolfe, K Michaud, "Lymphoma in rheumatoid arthritis: the effect of methotrexate and anti-tumor necrosis factor therapy in 18,572 patients", *Arthritis & Rheumatism*, Vol. 50:1740-1751, 2004

F Wolfe, K Michaud, "Severe rheumatoid arthritis (RA), worse outcomes, comorbid illness, and sociodemographic disadvantage characterize RA patients with fibromyalgia", *The Journal of Rheumatology*, Vol. 31:695-700, 2004

F Wolfe, K Michaud, TA Burke, & SZ Zhao, "Longer Use of COX-2 Specific Inhibitors Compared to Non-Specific NSAIDs: A Longitudinal Study of 3639 Patients in Community Practice", *The Journal of Rheumatology*, Vol. 31:355-358, 2004

F Wolfe, K Michaud, J Anderson, K Urbansky, "Tuberculosis Infection in Patients with Rheumatoid Arthritis and the Effect of Infliximab Therapy", *Arthritis & Rheumatism*, Vol. 2:372-379, 2004

F Wolfe, K Michaud, "Heart Failure in Rheumatoid Arthritis: Rates, Predictors and the Effect of Anti-Tumor Necrosis Factor Therapy", *American Journal of Medicine*, Vol. 116:305-311, 2004

F Wolfe, K Michaud & T Pincus, "Editorial: Do rheumatology cost-effectiveness analyses make sense?", *Rheumatology*, Vol. 43:4-6, 2004

F Wolfe, K Michaud, SZ Zhao, "Patient Perception of the Burden of Weight Gain and Blood Pressure Increase Among RA Patients Using Celecoxib, Rofecoxib, and Non-specific NSAIDs", *Journal of Clinical Rheumatology*, Vol. 9:344-353, 2003

K Michaud, J Messer, HK Choi, F Wolfe, "Direct Medical Costs and Their Predictors in Patients with Rheumatoid Arthritis: A Three Year Study of 7,527 Patients", *Arthritis & Rheumatism*, Vol. 48:2750-2762, 2003

F Wolfe, K Michaud, O Gefeller, HK Choi, "Predicting Mortality in Patients With Rheumatoid Arthritis", *Arthritis & Rheumatism*, Vol. 48:1530-1542, 2003

F Wolfe, K Michaud, B Stephenson, J Doyle, "Toward a Definition and Method of Assessment of Treatment Failure and Treatment Effectiveness: The Case of Leflunomide versus Methotrexate", *Journal of Rheumatology*, Vol. 30: 1725-1732, 2003

P. de Barbaro, K Michaud et al., "CDF End Plug Hadron Calorimeter Upgrade: Design, Production And Quality Control Results", *IEEE Transactions on Nuclear Science*, Vol. 42:510-517, 1995

F Wolfe, K Michaud, "The Clinical and Research Significance of the Erythrocyte Sedimentation Rate", *Journal of Rheumatology*, Vol 21:1227-1237, 1994

### **INVITED PRESENTATIONS (6)**

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"Safety of Anti-TNFs in the NDB," "Quality of Life, Work-Disability and other Non-Clinical Outcomes in RA," and "How to Set-up a Database: An Introduction," Arab Health Conference: Rheumatology, 2009

"RA: the burden of disease and Cost effectiveness of Treatments", Emirates Arthritis Foundation, 2009

"What do I do with a degree in physics", Physics Dept. Seminar, Creighton University, 2009

"Comorbidities in Rheumatoid Arthritis", 2008 Penn Rheumatoid Arthritis Leadership Forum™, Advances in the Treatment of Rheumatoid Arthritis: The New Biologics, 2008

"Brownian Ratchets: Harnessing Entropy; Parrondo's Paradox, lipid bilayers and other applications", Anritsu's Engineering Excellence Forum, 2001

### **PEER-REVIEWED ABSTRACTS (138): ORAL PRESENTATIONS (13)**

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"Health Status of Arthritis Patients Who Discontinued Rofecoxib", American College of Rheumatology (ACR) annual scientific meeting, 2006

"Mortality Rates In Patients With Rheumatoid Arthritis: Clinic And Self-Report Settings", Society of Medical Decision Making (SMDM) annual meeting, 2006

“The Cost-Effectiveness of Parathyroid Hormone and Alendronate in High-Risk Osteoporotic Women”, ACR annual scientific meeting, 2005

“Reduced Mortality among RA Patients Treated with Anti-TNF Therapy and Methotrexate”, ACR, media highlight press conference, 2005

“EQ5D Changes Rheumatoid Arthritis (RA) Quality Of Life In United States: Study Of 11,289 RA Patients”, SMDM annual meeting, plenary presentation, 2005

“Reduced Mortality Among RA Patients Treated With Anti-TNF Therapy And Methotrexate”, European League Against Rheumatism (EuLAR) annual scientific meeting, 2005

“Cost-Effectiveness of Parathyroid Hormone vs Alendronate in High-Risk Osteoporotic Women”, 3rd Annual Health Care Quality Outcomes (HCQO3), 2005

“Prednisone but not biologics or DMARDs is associated with increased risk of myocardial infarction in persons with RA”, EuLAR, 2004

“Annual and Lifetime Productivity Costs and Income Losses in Persons with Rheumatoid Arthritis”, ACR, 2003

“Congestive heart failure in RA: rates, predictors and the effect of anti-TNF therapy”, EuLAR, 2003

“The Lifetime Direct Medical Costs of Rheumatoid Arthritis”, ACR, 2002

“A GEANT Simulation of the Response of a Copper Scintillator Sampling Calorimeter to Electrons and Hadrons”, American Physical Society national meeting, 1996

“GEANT Computer Simulation for the CMS End Cap Test Beam Calorimeter”, National Conference on Undergraduate Research, 1996

## TEACHING EXPERIENCE

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2007-present **University of Nebraska Medical Center**, Omaha, NE

- *NRSG 928: Interdisciplinary Outcomes Research*, Guest lecturer (2 weeks)
- *Summer Undergraduate Research Program*, mentored student each of 2 summers
- Faculty Advisor: Debra Bergman, 2009 MPHA candidate

1997-1998 **Stanford University**, Stanford, CA

- *Physics 47: Optics and Thermodynamics*, 3 quarters TA & created new lab section

1994-1997 **University of Rochester**, Rochester, NY

- *Physics 121: Introductory Classical Mechanics*, 3 semesters TA, lectures & labs
- *Physics 102: Black Holes and Time Warps*, 1 semester TA, unique online setting
- *Physics 137: Introduction to Quantum Mechanics*, 1 semester TA

## AWARDS/FELLOWSHIPS

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- 2010- Stanford University Primary Care and Outcomes Research Adjunct Affiliate
- 2010-11 Young Investigators Initiative Workshop Program, US Bone & Joint Decade
- 2009 First-ever Haven High School Wall of Honor Award
- 2008-2010 Arthritis Foundation New Investigator Grant
- 2006 Lee B. Lusted Award for Outstanding Student Research, SMDM Annual Meeting
- 2005 ACR/REF Health Professional Graduate Student Research Preceptorship Award
- 2004-2006 Agency for Healthcare Research and Quality (AHRQ) Training Program Fellowship
- 2003 Bristol-Myers-Squibb/Arthritis Research Foundation, Inc. Fellowship

- 2001 James W. Lyons Award for Service at Stanford University
- 1999-2000 Stanford Presidential Search Committee, sole graduate student member
- 2000 Stanford Graduate Service Recognition Award
- 1996 University of Rochester senior honors
  - *Cum Laude*, Phi Beta Kappa; Top Student Life Award; Commencement Chief Marshall; Keideaeen Honor Society (top 1% chosen by faculty)
- 1995 Recipient of first-ever undergraduate physics teaching award at U. of Rochester

#### **MEMBERSHIP: PROFESSIONAL SOCIETIES**

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2006- Society of Medical Decision Making (SMDM)  
 2001- Association of Rheumatology Health Professionals (ARHP)  
 1994-2005 American Physical Society (APS)

#### **NOTABLE PROFESSIONAL SERVICE**

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##### *American College of Rheumatology (ACR):*

2010- Registries & Health Information Technology Committee  
 2008- Quality Measures Subcommittee  
 2008-2010 Registry Task Force  
 2008-2010 Disease Activity Measures Project Working Group  
 2007-2010 EULAR/ACR RA Remission Committee

##### *University of Nebraska Medical Center (UNMC):*

2009- Advisor, College of Nursing P20 Data Repository Committee  
 2008 Chair, Clinical Data Repository: Data Standards & Architecture Team

##### *Other*

2010 JIA CoRe (Consolidated Registry) Design & Analysis Committee

#### **REVIEWER: JOURNALS**

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Arthritis & Rheumatism  
 Value in Health  
 Arthritis Care and Research – **Editorial Board, 2010-2012**  
 Journal of Rheumatology  
 Clinical Therapeutics  
 Arthritis Research and Therapy  
 Health and Quality of Life Outcomes  
 Annals of the Rheumatic Diseases

#### **REVIEWER: GRANTS**

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Veteran's Affairs 2006  
 American College of Rheumatology Research & Education Foundation 2007-2009

#### **CURRENT RESEARCH SUPPORT**

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ARRA Challenge Grant Choi (PI) 35% 10/2009 – 9/2011  
 National Institutes of Health (NIH)  
 Clinical and cost-effectiveness of biologics in rheumatoid arthritis.

New Investigator Grant Michaud (PI) 38% 7/2008 – 6/2011  
 Arthritis Foundation  
 The impact of total joint replacement in rheumatoid arthritis.  
 This study will determine TJR outcomes in patients with RA resulting in a cost-effectiveness analysis.