

## Harvard Medical School Curriculum Vitae

**Date** 06/01/2020  
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**Place of Birth:** Hartford, CT

### Education

1985	BA	Biology	College of the Holy Cross Worcester, MA
1989	MD	Medicine	University of Connecticut School of Medicine Farmington, CT

### Postdoctoral Training

7/89-6/90	Intern	Medicine	New England Deaconess Hospital, Boston, MA
7/89-6/92	Clinical Fellow	Medicine	Harvard Medical School Boston, MA
7/90-6/92	Resident	Medicine	New England Deaconess Hospital
7/92-6/94	Clinical Fellow	Rheumatology	Tufts New England Medical Center, Boston, MA
7/95-6/96	Clinical Fellow	Critical Care Medicine	Lahey Clinic, Burlington, MA and New England Deaconess Hospital
7/95-9/96	Clinical Fellow	Medicine	Harvard Medical School

### Faculty Academic Appointments

7/96-8/06	Clinical Instructor	Medicine	Harvard Medical School
7/97-8/06	Assistant Professor	Medicine	Tufts University School of Medicine, Boston, MA
9/06	Associate Professor	Medicine	Tufts University School of

9/06-9/13	Assistant Professor	Medicine	Medicine Harvard Medical School
10/13-	Associate Professor	Medicine	Harvard Medical School

### Appointments at Hospitals/Affiliated Institutions

7/94-6/95	Affiliate Staff	ICU and Rheumatology	Deaconess Waltham Hospital, Waltham, MA
7/95-6/97	Fellowship Staff	Medicine	Deaconess Waltham Hospital
7/96-8/06	Staff Physician	Rheumatology	Lahey Clinic
9/06-	Physician	Medicine/Division of Rheumatology, Immunology, and Allergy	Brigham and Women's Hospital (BWH), Boston, MA

### Major Administrative Leadership Positions

#### **Local**

2000	Associate Course Director, Topics of Internal Medicine Course	Lahey Clinic
2001	Associate Director, Update in ACLS	Lahey Clinic
2001	Associate Director, CME Topics in Internal Medicine Course	Lahey Clinic
2000-2006	Associate Program Director, Internal Medical Residency Program	Lahey Clinic
2000-2002	Medical Director, Advanced Cardiac Life Support Program	Lahey Clinic
2002-2006	Chairman, Department of Rheumatology	Lahey Clinic
2007-	Co-director, Interstitial Lung Disease Clinic	BWH
2008-2017	Medical Director, Ambulatory Infusion Center	BWH
2008-2016	Assistant Director STRATUS Center for Medical Simulation	BWH
2012-2020	Co-course director and participant, DVD, CME course "Board Review in Rheumatology"	BWH and Harvard Medical School

### Committee Service

#### **Local**

1994-1995	Critical Care Committee	Deaconess Waltham Hospital Member
1995-2006	Code Committee	Lahey Clinic
	1995-2006	Member
	2000-2006	Chairperson
1996-2006	Critical Care Committee	Lahey Clinic Member
1996-2006	Curriculum and Clinical Competence Committee	Lahey Clinic

1997-2000	Section of Medical Ethics	Member Lahey Clinic
2006-	Steering Committee	Member Division of Rheumatology, Immunology, and Allergy, BWH
2009-2011	Medical Records Committee 2009-2011	Member BWH Member, Rheumatology Division Representative
2018- 2019-	Financial Aid Advisory Committee Partners Health Sustainability Group/Climate Action Council BWH Needham Green Solar Team Consensus Expert Panel (CEP) Members for Management and Treatment Guidelines for Pulmonary Manifestations in Sjogren's:	Harvard Medical School Partners Health Care/BWH Town of Needham MA

### Professional Societies

1996-	American College of Rheumatology (ACR) 1996- 2005-2006	Member Member, Professional Meetings Committee
	2005-2006 2007- 2007-2010	Abstract Reviewer Vasculitis Section ILD Study Group leader and founder Member Executive Board, Outcome Measures in Rheumatoid Arthritis Clinical Trials (OMERACT) Connective Tissue Disease/Interstitial Lung Disease Abstract reviewer on Clinical Aspects of RA
	2010-2013	Co-Chair, Abstract Selection Committee, Annual Conference
1998-	American College of Physicians 1998-	Fellow
1999-2006	International Network for the Study of the Systemic Vasculitides (INSSYS) 1999-2006	Member

### Editorial Activities

#### ***Ad hoc* Reviewer**

Arthritis and Rheumatism  
Seminars in Arthritis and Rheumatism  
Arthritis Care and Research  
Respiratory Medicine  
J Clinical Rheumatology  
Journal of the American Medical Association  
Chest

## Other Editorial Roles

1997- Editorial Board Member Journal of Intensive Care Medicine

## Honors and Prizes

1985	Graduated <i>cum laude</i>	College of the Holy Cross	
1985	Presidential Service Award	College of the Holy Cross	Service to the College
1989	Commencement Speaker	University of Connecticut School of Medicine	
1990	James L. Tullis Award Recipient	New England Deaconess Hospital	Clinical excellence
1996-2001	PGY1 Outstanding Teacher in Medicine	Tuft University School of Medicine	Teaching
2001	Clerkship Excellence in Teaching Award	Lahey Clinic	Teaching
2008	Excellence in Tutoring	Harvard Medical School Human Systems Rheumatology	Teaching
2011	Excellence in Teaching Award	Jean Jackson Excellence in Teaching Award, BWH house staff	Teaching
2011	Executive Leadership Training Program	BWH and Harvard Business School	Recognized for leadership development
2011	Subspecialty Clinical Teacher Award	Brigham and Women's Hospital	Teaching

## Report of Funded and Unfunded Projects

### Funding Information

#### Past

1999 Pegylated Tumor Necrosis Factor (TNF)-Receptor Trial  
Amgen (Investigator initiated)  
Co-Investigator, Physician joint examiner (PI Jonathan Kay)  
Major Goal: Efficacy of TNF receptor antagonist in Rheumatoid Arthritis (RA)

1999 Osteoarthritis Study  
Merck (Investigator initiated)  
Co-Investigator (PI Jonathan Kay)  
A randomized, placebo and active compared controlled parallel group double blind two part study assessing safety and efficacy of MK-0663 versus Naproxen in patients with osteoarthritis the knee or hip.

1999 RA Study LCID 99-065  
Amgen (Investigator initiated)

- Co-Investigator (PI Jonathan Kay)  
Multicenter blinded randomized placebo controlled trial to study the effect of IL-1ra in rheumatoid arthritis
- 1999-2002 ICU Outcomes in Rheumatic Diseases  
INSSYS (Investigator initiated)  
PI (unfunded )  
A retrospective and prospective project at Lahey Clinic and in conjunction with INSSYS
- 2000-2002 Giant Cell Arteritis  
INSSYS (Investigator initiated)  
Co-Investigator (PI David Hellman)  
Quality of Life Assessment in Giant Cell Arteritis
- 2000-2003 Investigation of the effects of Residronate in patients with medial compartment knee osteoarthritis  
Proctor and Gamble (Investigator initiated)  
Co-Investigator (PI, Stephen Goldring MD)  
A randomized double blind parallel multicenter placebo controlled study on the effect of Residronate
- 2002-2003 Evaluation of the safety and efficacy of Anakinra and etanercept  
Amgen 2001-016 (Investigator initiated)  
PI  
Multicenter double blinded study to evaluate the safety and efficacy of Anakinra and etanercept in subjects with rheumatoid arthritis using Methotrexate.
- 2002-2003 Evaluation of the efficacy and safety of PEGylated recombinant methionyl human soluble tumor necrosis factor receptor type I  
Amgen Study LCID 2001-028 (Investigator initiated)  
PI  
Randomized placebo controlled multicenter study to evaluate efficacy and safety of PEGylated recombinant methionyl human soluble tumor necrosis factor receptor type I given twice weekly to subjects with rheumatoid arthritis receiving Methotrexate.
- 2002-2005 Proteomic evaluation of BAL fluid in patients with interstitial lung disease (ILD) in the rheumatic diseases  
Tufts University School of Medicine Division of Pulmonary Medicine  
PI (unfunded)  
Major Goal: Assessment of proteomic signatures in RA pts with ILD
- 2002-2006 Rheumatoid Arthritis Treatment Evaluation Registry (RATER)  
Vanderbilt University School of Medicine  
PI Jonathan Kay)  
Major Goal: Establishment of an early RA cohort
- 2004-2005 Measurement of serum KL-6 levels in patients with interstitial lung diseases and rheumatic diseases  
Lahey Clinic  
PI: P Dellaripa , internal funding  
Major Goal: Analysis of KL-6 serum levels as markers in ILD.

- 2004-2006 Development of a survey instrument for measuring quality of life in patients with giant cell arteritis (Phase II)  
INNSYS (Investigator initiated)  
Co-Investigator (PI David Hellman)
- 2007 A multicenter trial to develop a survey instrument for giant cell arteritis (Phase II)  
ILD: Natural history and outcomes  
Self funded  
PI (Paul Dellaripa internal funding)  
Goal: Determine diagnostic and therapeutic outcomes in a population of patients evaluated in a multidisciplinary ILD clinic
- 2007 Support for Excellence in Educational Development (SEED) grant to initiate a simulation curriculum within the Department of Medicine (DOM) Medical Residency program  
PI (\$10,000)  
Goal: Develop a simulation curriculum as part of the orientation curriculum for incoming internal medicine interns.
- 2009-2011 Open label trial of Rituxan in ILD associated with RA  
Genentech  
PI (\$40,000)  
Goal: Determine the safety and efficacy of B cell depletion in the treatment of ILD associated with RA
- 2010-2011 ARTEMIS Idiopathic Pulmonary Fibrosis (IPF): A phase III trial double blinded randomized trial utilizing Ambrisentan in IPF  
Gilead Sciences (Investigator initiated)  
Co-Investigator (PI Ivan Rosas)  
Goal: Investigate the role of endothelin antagonists in the treatment of IPF
- 2011-2012 A 52 weeks, double blind, randomized, placebo-controlled trial evaluating the effect of oral BIBF 1120, 150 mg twice daily, on annual Forced Vital Capacity decline, in patients with IPF  
Boehringer Ingelheim Pharmaceuticals (Investigator initiated)  
Co-Investigator (PI Ivan Rosas)  
Goal: Determine the efficacy of a novel tyrosine kinase inhibitor in the treatment of IPF
- 2011-2016 MYORISK: identifying triggers to disease in the antisynthetase syndrome in conjunction with NIH  
NIH (INSTITUTE AND GRANT NUMBER)  
Site PI (National PI Frederick Miller)  
Goal: Attempt to identify infectious and environmental triggers which lead to the development of the anti-synthetase syndrome.
- 2011-2013 RA and ILD Proteomic markers and clinical correlates. In conjunction with the University of Miami  
American College of Rheumatology  
Site PI (no funds, study PI Dana Aschermann)  
Goal: Identify novel proteomic biomarkers that will identify and be unique to patients with RA and ILD.
- 2016-2017 Screening for interstitial lung disease in rheumatoid arthritis.

BWH

Role: Co-investigator (PI Tracey Doyle)

Goal: Utilizing the BRASS registry, we attempt to establish the association between well-accepted clinical parameters and the presence of interstitial lung disease in subjects with rheumatoid arthritis.

**Ongoing**

- 2017- Phase 2 safety, tolerability and efficacy of pirfenidone in patients with rheumatoid arthritis interstitial lung disease.  
Genentech  
Role: Co-Investigator (Site PI, Ivan O. Rosas)  
Goal: Randomized prospective placebo control trial, investigator-initiated, will test the safety, tolerability and efficacy of oral pirfenidone in patients affected with rheumatoid arthritis-associated interstitial lung disease
- 2014-2019 Towards evidence-based monitoring of low dose methotrexate (LDM): CIRT ancillary study.  
NIH R01 HL119718-01A1  
Role: adverse event reviewer  
Goal: The discovery and clinical use of markers associated with a greater likelihood of AE from LDM would provide an important public health benefit to rheumatic disease patients if the CIRT trial shows reduction on cardiovascular events with LDM.
- 2017-2020 Scleroderma Lung Study III (SLSIII)  
Genentech (investigator initiated)  
Role: Co-investigator (Site PI, Michael Roth)  
Goal: This multicenter clinical study will test the efficacy of oral pirfenidone and mycophenolate mofetil (MMF) vs. placebo and MMF in patients affected with scleroderma-interstitial lung disease in a randomized, double-blind, placebo-controlled 18-month trial.
- 2017-2021 Abatacept for the treatment of myositis-associated interstitial lung disease (AttackMyILD)  
Bristol Myers Squibb (Investigator initiated)  
Role: Co-investigator (Site PI, Rohit Aggarwal)  
Goal: This multicenter clinical study will evaluate the efficacy and safety of abatacept in myositis ILD (antisynthetase syndrome) in a randomized, double-blind, placebo-controlled 6-month trial followed by a 24-week open-label extension.
- 2019- CLASS project (Classification Criteria of Anti-synthetase Syndrome)  
ACR/EULAR collaborative

**Unfunded Projects**

## **Past**

- 2010-2014 Co-Investigator/A phase II trial of inhaled carbon monoxide in idiopathic pulmonary fibrosis (IPF) (NHLBI)  
An ongoing study to determine the efficacy of inhaled carbon monoxide in patients with IPF
- 2011-2014 Executive board member and co-investigator/OMERACT ILD and connective tissue diseases (BWH, Mayo Clinic, National Jewish Hospital, University of Pittsburgh, University of Michigan, Abbott, Actelion, Boehringer Ingelheim, Celgene, Centocor, Gilead, Intermune, Questcor, Sigma Tau, and United Therapeutics).  
Study to identify through a consensus process outcome measures to be utilized in clinical trials for the treatment of ILD associated with connective tissue disease
- 2012-2013 Co-investigator/An IRB approved Novartis funded clinical trial for patients with idiopathic pulmonary fibrosis (IPF)  
Study to determine the efficacy of QAX576, a modulator of IL-13, in patients with IPF
- 2012-2014 Co-investigator/The stromedix IPF Trial: A phase IIa, multicenter, randomized, double-blind, placebo-controlled, multiple-dose, dose-escalation study of STX-100, a humanized monoclonal antibody to integrin  $\alpha v \beta 6$ , in patients with IPF. Study to identify efficacy of patients receiving STX-100 in IPF

## **Current**

- 2002- Co-investigator/Genetic Polymorphisms in Wegener's Granulomatosis (NIH)  
An ongoing study to delineate genetic markers in Wegener's Granulomatosis.
- 2016- Co-investigator/Double blind placebo controlled crossover study assessing efficacy of trepostinil in patients with Raynaud's phenomenon resistant to vasodilatory therapy

## **Report of Local Teaching and Training**

### [Teaching of Students in Courses](#)

#### **Tufts University School of Medicine**

1992-1993	Introduction to Clinical Medicine 2 medical students per session	Eight 3 hr sessions/year for 2 years
1992-1993	Vasculitis Workshop 20 2 <sup>nd</sup> year medical students	3 hrs of instruction
1996	Ambulatory Medicine Clerkship at Lahey Clinic 3yr medical students per semester	18 hrs of instruction
1997	Vasculitis and Rheumatology Workshop 15 2 <sup>nd</sup> year medical students	4 hrs of instruction
2003	The Musculoskeletal Examination 10 2 <sup>nd</sup> year medical students	One 2 hr session
2003, 2004	Rheumatology and Vasculitis Workshop 20 2 <sup>nd</sup> year medical students	6 hrs of instruction



2004	Presentation The musculoskeletal Examination 20 2 <sup>nd</sup> year medical students	2 hrs of instruction
2004	Chief's Rounds 4 medical students	3 hrs of instruction
2004	Outpatient Ambulatory Instruction 4 3 <sup>rd</sup> year medical students	2 hrs per week for 9 months
2005	Musculoskeletal Pathophysiology Course 20 2 <sup>nd</sup> year medical students	4 hrs of instruction

### **Harvard Medical School**

2000	Rheumatology and Musculoskeletal Curriculum 15 2 <sup>nd</sup> year medical students	12 hrs of instruction
2001-2003, 2005	Musculoskeletal Examination  15 2 <sup>nd</sup> year medical students	One 2 hr session
2002-2003	Introduction to Clinical Medicine  10 2 <sup>nd</sup> year medical students	One 2 hr session
2007	Musculoskeletal Endocrine and Reproductive Pathophysiology Course 6 2 <sup>nd</sup> year medical students	11 hrs of instruction
2007	Musculoskeletal Pathophysiology Course 10 2 <sup>nd</sup> year medical students	6 hrs of instruction
2007, 2008	Musculoskeletal Pathophysiology Course - Scleroderma Clinical Correlation 100 2 <sup>nd</sup> year medical students	1 hr of instruction
2008	Outpatient Rheumatology Clinic 1 medical school student	One 4 hr session
2008	The Musculoskeletal Examination 15 Harvard –MIT medical school students	1 hr session
2009	Objective structured clinical exam (OSCE) Course –Otolaryngology Assessment 8 medical school students	1 hr session
2009	Musculoskeletal Examination 20 2 <sup>nd</sup> year medical students	1 hr session
2009-2011	Human Systems – Scleroderma 100 2 <sup>nd</sup> year medical students	1 hr session
2010	Outpatient Rheumatology clinic medical student	6 hr session

2012	Human Systems -Scleroderma and other Fibrosing disorders	
	100 2 <sup>nd</sup> year medical students	1 hr session
2012	The Muskoskeletal Joint exam	
	100 2 <sup>nd</sup> year medical students	1 hr session
2017	Pizza and Pizzaz Lunch HST Conf	1 hr session
	RA: clinical and pathogenesis	
	30 students	
2018	HMS Year 1 Disclosure	1 student 1 hr session

### **Formal Teaching of Residents, Clinical Fellows and Research Fellows (post-docs)**

1996	Residents Report	Lahey Clinic
	20 internal medicine residents	40 hrs/year
1996	Resident Critical Care Conference – Airway Management in the Critically Ill	Lahey Clinic
	20 internal medicine residents	1 hr/year
1996	Resident Critical Care Conference – Line Placement in the Intensive Care Unit	Lahey Clinic
	20 internal Medicine residents	1 hr/year
1996	Resident Noon Conference –1. The Musculoskeletal system; 2. Techniques of soft tissue injection; 3. Update in Rheumatologic Testing	Lahey Clinic
	20 internal Medicine residents	3 1 hr lectures/year
1996	Pulmonary and Critical Care Conference - Immunologic mediators in critical illness	Lahey Clinic
	20 internal Medicine residents	1 hr/year
1996	Rheumatology – Resident Board Review Series	Lahey Clinic
	10 internal Medicine residents	1 hr/year
1997	Resident Noon Conference –1. ACLS Review; 2. Airway Management; 3. Musculoskeletal Examination	Lahey Clinic
	20 internal medicine residents	3 1 hr lectures/year
1997	Resident Critical Care Conference – Sedation in the Intensive Care Unit	Lahey Clinic
	20 internal medicine residents	1 hr/year
1998	Resident Noon Conference –1. ACLS Review; 2. Airway Management	Lahey Clinic
	20 internal medicine residents	2 1 hr lectures/year
1998, 1999	Pulmonary Critical Care Conference – Treatment of Pulmonary Manifestations of Rheumatic Diseases	Lahey Clinic
	10-20 internal medicine residents	1 hr/year
1998	Rheumatology Monthly Conference – B2 Glycoprotein I Antibody	Lahey Clinic
	20 internal medicine residents	1 hr/year

1999	How to run a code – Medical Housestaff Conference 10 internal medicine residents	Lahey Clinic 1 hr/year
1999	Pulmonary and Critical Care Conference Corticosteroid induced osteoporosis 10 internal medicine residents	Lahey Clinic 1 hr/year
2000	Critical Care Housestaff Lecture Series – Pulmonary Hemorrhage, Diagnosis and Treatment 20 internal medicine interns & residents	Lahey Clinic 1 hr/year
2000	Pulmonary and Critical Care Conference – Genetic Polymorphisms in Critical Illness 10 internal medicine residents	Lahey Clinic 1 hr/year
2000	Housestaff Ethics and Critical Care Conference – Withdrawal of therapy in critical illness 20 internal medicine interns and residents	Lahey Clinic 1 hr/year
2001, 2002, 2005	Critical Care Housestaff Lecture Series – Sedation in the ICU 20 internal medicine interns & residents	Lahey Clinic 1 hr/year
2001	Pulmonary and Critical Care Conference – Pulmonary and Critical Care Issues in Rheumatic Diseases 12 internal medicine residents	Lahey Clinic 1 hr/year
2002	General Medicine Conference – Introduction to Musculoskeletal Medicine 6 internal medicine residents	Lahey Clinic 1 hr/year
2002	Housestaff conference – Airway management and code scenarios 20 internal medicine interns & residents	Lahey Clinic 1 hr/year
2004	Critical Care Conference – Sedation in the critically ill patient 20 internal medicine interns & residents	Lahey Clinic 1 hr/year
2004	Medical Simulation Conference– Critical events and code scenarios 20 internal medicine residents	Lahey Clinic 1 hr/year
2006	Visiting physician – Ward Rounds 4 residents, 2 medical students	Faulkner Hospital, Boston, MA 10 hrs
2007	Morning Report, Attending discussant 20 students/residents	BWH 5 hrs/year
2007	Preceptor – Arthritis and Rheumatic Diseases Center 1 medical resident	BWH 6 hrs/year

2008	GMS Subspecialty Medical Residency Conference – Clinical Case Presentation 40 residents	BWH 1 hr/year
2008	Lead discussant, Clinical Path Internal Medicine conference 40 residents/students	BWH 5 hrs/year
2008	Morning Report Discussant 15 internal medicine residents	Faulkner Hospital 3 hrs/year
2008	Chief’s Walk Rounds 20 residents /students	BWH 1 hr/year
2009	GMS Subspecialty Medical Residency Conference- Simulation Workshop –Joint examination and injection techniques 8 medical residents	BWH 2 hr/year
2009	Morning Report 2 internal medicine residents	BWH 3 hrs/year
2009	Preceptor, Medical Resident, Rheumatology Presentation 6 internal medicine residents	BWH 1 hr/year
2009	Medical Residency Noon Conference Update in Vasculitis 40 internal medicine residents	Faulkner Hospital 1 hr/year
2010	Joint examination and aspiration techniques 20 internal medicine residents	BWH 1 hr/year
2011	Attending discussant Morning Report 20 residents/students	BWH 1 hr
2011	Co-discussant CPC, ‘Fever of Unknown Origin’ 40 internal medicine residents	BWH 1 hr
2011	Attending discussant Morning Report 40 internal medicine residents	BWH 3 hrs
2011	Attending discussant, Clinical Reasoning Conference 40-50 internal medicine residents	BWH 1 hr
2011, 2012	Master Clinician Teaching Series – presenter and discussant 60 internal medicine residents	BWH 1 hr
2012	Attending discussant Morning Report 20 internal medicine residents	Faulkner Hospital 1 hr
2012	Attending discussant Morning Report 20 internal medicine residents	BWH 1 hr

2012	Clinical Pathology Conference 20 internal medicine residents	VA Hospital, West Roxbury, 1 hr
2012	Clinical pathology conference	BWH 1 hr
2013	Morning Report 20 medical residents and students	Faulkner Hospital 1 hr
2013	Noon conference Update on Vasculitis 40 medical residents	BWH 1 hr
2014	Noon Neurology Conference 40 residents	BWH 1 hr
2015	Morning Report 10 residents	BWFH 2 hrs
2016	Morning Report 40 residents	BWH 4 hrs
2017	Morning Report 10 residents	BWFH 2 hrs
	Morning Report	BWH
	Orientation Interns Stratus Simulation 70 interns	BWH 1 hr
	Disclosure discussion; intern orientation 120 interns	BWH 1 hr
	Noon Conference: Intro to Rheumatology 10 interns	BWFH 1hr
2018	Morning report 50 residents	BWH and BWFH 3 hrs
	Disclosure intern orientation 120 interns	BWH 1 hr
	Clinic teaching rheum 3 residents/3 med students	BWH 18 hrs
2019	Noon conference 15 residents/medical students	BWFH 3 hr
	Morning Report 20 residents	BWH 3 hr
2020	Morning Report 15 residents/HMS students	BWFH 1 hr
	CRC Conference 30 residents	BWH 1 hr

### Clinical Supervisory and Training Responsibilities

1991-1992, 1995	Doctor-Patient instructor 6 HMS second year students	New England Deaconess Hospital	3 hrs per semester
1994-1995	Inpatient ICU Preceptor	Deaconess Waltham Hospital	1-2 hrs/month for one year
1996-2006	Ambulatory Rheumatology Clinic Preceptor	Lahey Clinic	One session/week
2006-	Ambulatory Rheumatology Clinic Preceptor	BWH	12 sessions/year
2007, 2008	Ward Attending, General Medical Service	BWH	1 month/year

2008	Ambulatory Rheumatology Clinic, Preceptor for Harvard Medical- 15 MIT students	BWH	One 3 hr session
2009	Ward attending Integrated Teaching Unit 6 residents/2 students	Faulkner Hospital	2 weeks/year
2010-	Ward attending Integrated Teaching Unit/GMS service	BWH	2-4 weeks/year

**Formal Teaching of Peers (e.g., CME and other continuing education courses)**

**No presentations below were sponsored by outside entities**

1997, 1998	The Musculoskeletal Examination and Techniques of Joint Injection and Aspiration Lahey Clinic Course	One lecture/year Waterville Valley, NH
1999	New Treatments in Rheumatoid Arthritis Lahey Clinic Internal Medicine Review Course	Lecture Portsmouth, NH
2003	Update in Rheumatoid Arthritis Topics of Internal Medicine Course. Lahey Clinic	Lecture Kennebunkport, ME
2007-12	Scleroderma, Sjogrens, GCA and PMR Harvard Medical School Intensive Review of Internal Medicine	One 1 hr lecture/year Boston, MA
2008-10	Joint Aspiration and Injection Harvard Medical School Course Office Practice in Primary Care	Lecture, 4 hrs/year Boston, MA
2009	Joint Aspiration/Injections BWH Hospitalist Service	1 hr lecture Boston, MA
2010	Joint Aspiration/Injections Internal Medicine Residents Department of Medicine, BWH	1 hr lecture Boston, MA
2011	Primary care preceptor rheumatology teaching session, The Joint Exam Department of Medicine, BWH Harvard Medical School CME Review	1 hr lecture Boston, MA
2011,2014-15	Course Rheumatology, Lung Diseases in the Rheumatic Diseases	1 hr lecture Boston, MA
2011-2013	Clinical Pearls in Rheumatology Harvard Medical School Primary Care Review Course	1 hr lecture/year Boston, MA
2013	Instructor, Research in Medical Education Workshop, BWH Instructor, Management Leadership Track Program, BWH	6 hours Boston, MA 1 hr Boston MA
2018	Grand Rounds Update on RA	Faulkner Hospital

### Local Invited Presentations

**No presentations below were sponsored by outside entities**

- 1998 PCP prophylaxis in Vasculitic Syndromes.  
Department of Medicine, Lahey Clinic
- 1999 Definitions of Death, ICU ethics case conference  
Medical Ethics Committee, Lahey Clinic,
- 1999 Protean Manifestations of Giant Cell Arteritis (Grand Rounds)  
Department of Medicine, Lahey Clinic
- 2000 Lofgren's Syndrome (Grand Rounds)  
Department of Medicine, Lahey Clinic
- 2000 Drug Induced Vasculitic Syndromes, Rheumatology monthly conference  
Lahey Clinic
- 2002 Interstitial Lung Disease in the Rheumatic disease  
Beth Israel Deaconess Medical Center, Boston, MA
- 2003 Interstitial Lung Disease in the Rheumatic Diseases (Rheumatology Grand  
Rounds)  
Massachusetts General Hospital, Boston, MA
- 2005 Interstitial Lung Disease in the Rheumatic Diseases (Rheumatology Grand  
Rounds), BWH
- 2010 Interstitial Lung Disease (Medical Grand Rounds)  
Faulkner Hospital
- 2010 Interstitial Lung Disease (Medical Grand Rounds)  
North Shore Hospital

### **Report of Regional, National and International Invited Teaching and Presentations**

#### Invited Presentations and Courses

##### **Regional, National, and International Invited Presentations and Courses**

###### **Regional**

**No presentations below were sponsored by outside entities**

- 1999 Giant Cell Arteritis (Grand Rounds)  
Lawrence Memorial Hospital, Lawrence, MA
- 2000 Update: Giant Cell Arteritis  
Hale Hospital, Lawrence, MA
- 2000 Pulmonary and Critical Care Issues in Rheumatic Diseases  
Rheumatology weekly conference, Division of Rheumatology, Tufts/New England  
Medical Center, Boston, MA
- 2002 Interstitial lung disease and the Rheumatic diseases  
Pulmonary and Critical Care Conference. Tufts/New England Medical Center
- 2002 Pulmonary Manifestations of Rheumatic Diseases  
St. Elizabeth Hospital, Dept of Pulmonary and Critical Care Medicine, Boston, MA

- 2005 Pulmonary Diseases in the Rheumatic Disorders (Grand Rounds)  
UMASS-Memorial Medical Center, Worcester, MA
- 2005 Interstitial Lung Disease in the Rheumatic disease (Rheumatology Grand Rounds)  
Tufts New England Medical Center
- 2008 Interstitial Lung Disease in the Rheumatic Diseases (Rheumatology Grand Rounds)  
Tufts New England Medical Center
- 2009 The Role of the Medical Evaluation in Asylum and Immigration Cases  
Brown University, Providence, RI
- 2011 Interstitial Lung Disease (Pulmonary Grand Rounds)  
Lahey Clinic
- 2012 Rheumatic Diseases in Inflammatory Bowel Disease (IBD) and Arthritis.  
IBD Conference, Boston University School of Medicine, Boston, MA
- 2014 Interstitial Lung Disease in the Rheumatic disease (Pulmonary Grand Rounds)  
Tufts New England Medical Center
- 2016 Interstitial Lung Disease in the Rheumatic disease BU Medical Center,  
Rheumatology Grand Rounds
- 2018 Lung Disease in the Rheumatic Diseases UMASS-Memorial Medical Center

**National**

- 1999 Pulmonary and Critical Care Issues in the Rheumatic Diseases/Lecturer  
American College of Rheumatology Annual Meeting, Boston, MA
- 2002 Pulmonary Manifestations of Rheumatic Diseases  
American College of Rheumatology Spring Meeting, Chicago, IL
- 2004 Interstitial Lung Diseases in Rheumatic Disorders  
Meet the Professor Session, American College of Rheumatology Annual Meeting,  
San Antonio, TX
- 2005 Interstitial Lung Diseases in the Rheumatic Diseases  
Meet the Professor Session, American College of Rheumatology Annual Meeting,  
San Diego, CA
- 2006 Interstitial Lung Diseases in the Rheumatic Diseases  
Meet the Professor Session, American College of Rheumatology Annual Meeting,  
Washington, DC
- 2007 Integration of simulation in the curriculum of an Internal Medicine Residency,  
Association of Program Directors, Minneapolis, MN
- 2009 Interstitial Lung Diseases in the Rheumatic Diseases  
Meet the Professor Session, American College of Rheumatology Annual Meeting,  
Philadelphia, PA
- 2010 Interstitial Lung Diseases in the Rheumatic Diseases  
Meet the Professor Session, American College of Rheumatology Annual Meeting,  
Atlanta, GA
- 2011 The role of vessel size in the diagnosis of vasculitis  
National Meeting, Society for Vascular Medicine, Boston MA, June 2011.
- 2011 ILD and the rheumatic diseases (Meet the Professor); Moderator, Rheumatoid  
Arthritis (RA) Clinical Aspects Abstracts II; and Moderator, ILD Study Group  
American College of Rheumatology Annual Meeting, Chicago, IL
- 2012 Lung Disease in the Rheumatic Diseases (Rheumatology Grand Rounds)  
Hospital for Special Surgery, New York, NY



- 2012-13 Moderator, RA Clinical Aspects Abstracts II and Moderator, ILD Study Group Session American College of Rheumatology Annual Meetings, Washington DC and San Diego CA
- 2016 ILD and the Rheumatic Diseases Meet the Professor American College of Rheumatology Annual Meeting, Washington, DC  
Challenges in Clinical Trials Design Speaker, Clinical Research Conference American College of Rheumatology, Washington, DC.  
ILD and the Rheumatic Diseases Annual New York Thoracic Society Meeting
- 2017 ACR/EULAR consensus conference ILD and rheumatic diseases. Speaker and subgroup leader, Washington DC  
ILD and the Rheumatic Diseases Meet the Professor American College of Rheumatology San Diego CA  
Hot topics in Myositis Speaker, American College of Rheumatology Annual Meeting, San Diego CA
- 2018 Lung Diseases in the rheumatic diseases Meet the Professor American College of Rheumatology Annual Meeting, Chicago IL  
Moderator ILD Study Group American College of Rheum Annual Meeting, Chicago IL  
Fellows Roundtable discussion facilitator and speaker American College of Rheumatology Chicago 30 fellows  
ILD Grand Rounds, Division Rheumatology, Washington University, St. Louis MO
- 2019** Lung Disease in the Rheumatic Diseases (Rheumatology Grand Rounds)  
Hospital for Special Surgery, New York, NY  
Study Group Moderator and Speaker, ILD and Rheumatic Diseases. ACR Atlanta  
Meet the Professors Speaker ACR Atlanta
- International:** Lung diseases in the rheumatic diseases: Paradigm shift, International Symposium  
2017 of Targeted Therapeutics, Mandeleau, France

## **Report of Clinical Activities and Innovations**

### **Current Licensure and Certification**

- 1990 Diplomate of National Board of Medical Examiners  
1991 Massachusetts Medical License  
1992 Board Certification Internal Medicine, American Board of Internal Medicine  
1994 Subspecialty Certification in Rheumatology, American Board of Internal Medicine  
1997 Board Certification Critical Care Medicine, American Board of Internal Medicine  
2002 Recertification, Internal Medicine and Rheumatology  
2012 Recertification, Internal Medicine

### **Practice Activities**

- 1994-1995 Inpatient ICU, Deaconess Waltham Hospital 40 hrs per week

1996-2006	Ambulatory Care in Rheumatology Ambulatory Care and Critical Care Medicine	Rheumatology, Lahey Clinic	Eight sessions per week
2006-	Ambulatory Care/ attending Ward attending	Rheumatology, BWH Internal Medicine, BWH	Eight sessions per week, clinic 1 month per year, hospital

### Clinical Innovations

Developed the ILD Clinic at Brigham and Women's Hospital 2007- multidisciplinary clinic that is composed of rheumatologists, pulmonologists, radiologists and pathologists that has developed a regional and national reputation for the treatment and study of patients with inflammatory and fibrosing lung disorders. I conceived of and initiated the operation of this clinic in 2007.

Developed the Simulation curriculum for the Internal Medicine Residency at Brigham and Women's Hospital 2008- This curriculum utilizes medical simulation as part of the educational curriculum in the medical residency program and integrates challenging clinical cases from real cases at the Brigham and Women's Hospital that are developed into simulated scenarios and then integrated into the education curriculum for the medical residents on their integrated teaching unit (ITU) rotation.

Helped Develop the Teleconference Program with the Indian Health Service (IHS) in Shiprock, New Mexico and the Division of Rheumatology at Brigham and Women's Hospital 2011-In this program physicians from Brigham and Women's Hospital interact with physicians from the INH discussing difficult cases and interviewing patients via teleconference and advising on clinical care of challenging clinical cases.

## Report of Education of Patients and Service to the Community

No presentations below were sponsored by outside entities

### **Education of Patients and Service to the Community**

1993-1997, 2003-2005	Physician Volunteer: Walk for Hunger, Boston, MA
1996-2000	Advanced Cardiac Life Support Instructor, Lahey Clinic
1995-1996	American Board of Internal Medicine question writer: Rheumatology
1996-1997	Volunteer case reviewer, Massachusetts Board of Registration
1997-	Physician examiner, Physicians for Human Rights
2004-2010	Human Rights Committee Member, Town of Needham, MA, Chairperson 2008-2012
2010-	Volunteer Physician and Telemedicine conference participant, Indian Health Service, Shiprock, NM
2011-	Board member, Advisory Council, Indian Health Service

### Recognition

2009,	Top Doctors	Castle & Connelly
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2010,2013-16

2009-2012 Peoples Choice  
2010 America's Top Doctors  
2017-2019 Boston Top Doctors

Peoples Choice Inc.  
US News & World Report

2016-2019

## **Report of Scholarship**

### **Peer reviewed publications in print or other media**

#### **Research investigations**

1. Boston A, Roubenoff R, **Dellaripa P**, Nadeau M, Sutherland P, Wilson P, Jacques P, Selhub J. Validation of an abbreviated oral methionine loading test. *J Clin Chem.* 1995;41:948-49.
2. Roubenoff R, **Dellaripa P**, Nadeau MR, Abad LW, Muldoon BA, Selhub J, Rosenberg IH. Abnormal Homocysteine Metabolism in Rheumatoid Arthritis. *Arthritis Rheum.* 1997;40(4):718-22.
3. Hellman DB, Uhlfelder ML, Stone JH, Jenkes MW, Cid MC, Guillevin L, Moreland L, **Dellaripa PF**, Hoffman GS, Merkel PA, Spiera R, Brown L, Hernandez Rodriguez J, Rubin H. Domains of Health Related Quality of Life Important to Patients with Giant Cell Arteritis. *Arthritis Rheum. (Arthritis Care and Research)* 2003;49(6):819-25.
4. Kalluri M, Sahn SA, Oddis CV, Gharib SL, Christopher-Stine L, Danoff SK, Csasciola-rosen L, Hong G, **Dellaripa PF**, Highland KB. Clinical Profile of Anti-Pl12 autoantibody: Cohort Study and Review of the literature. *Chest* 2009;135(6):1550-6.
5. Mahr AD, Edberg JC, Stone JH, Hoffman GS, St. Clair EW, Specks U, **Dellaripa PF**, Seo P, Spiera RF, Rouhani FN, Brantly ML, Merkel PA. Alpha 1-antitrypsin deficiency-related alleles Z and S and the risk for Wegener's granulomatosis *Arthritis Rheum.* 2010;62(12):3760-7.
6. Castellino F, Goldberg H, **Dellaripa PF**. The Impact of Rheumatologic Evaluation in the Management of Patients with Interstitial Lung Disease. *Rheumatology* 2011;50:483-93
7. Skog A, Peyre S, Pozner CN, Thorndike M, Hicks G, **Dellaripa PF**. Assessing Physician Leadership Styles: Application of the Situational Leadership Model to Transitions in Patient Acuity. *Teach Learn Med.* 2012;24(3):225-30.
8. Kelley JM, Monach PA, Ji C, Zhou Y, Wu J, Tanaka S, Mahr AD, Johnson S, McLear C, Cuthbertson D, Carette S, Davis JC, **Dellaripa PF**, Hoffman GS, Khalidi N, Langford CA, Seo P, St. Clair EW, Specks U, Stone JH, Spiera RF, Ytterberg SR, Merkel PA, Edberg JC, Kimberly RP. IgA and IgG ANCA Engagement of Fc Receptors Influences Granulomatosis with Polyangiitis (Wegener's) in a Genetically Dependent Fashion" accepted for publication *Proc Natl Acad Sciences* 2011;108(51):20736-41.
9. Chung S, Xie G, Roshandel D, Sherva R, Edberg J, Kravitz M, **Dellaripa PF**, Hoffman GS, Seo P, Speck U, Spiera R, St Clair E, Stone J, Plenge R, Merkel P, Monach P. Meta-analysis in granulomatosis with polyangiitis reveals shared susceptibility with rheumatoid arthritis. *Arthritis Rheum.* 2012;64(10):3463-71.
10. Matteson EL, Bongartz T, Ryu J, Crowson CS, Hartman TE, **Dellaripa PF**. Open label pilot trial of the safety and clinical effects of Rituximab in patients with rheumatoid arthritis-associated interstitial pneumonia. *Open Journal of Rheumatology and Autoimmune diseases.* 2012;2:53-8.

11. Harlow L, Rosas IO, Gochucio B, Mikulis T, **Dellaripa PF**, Oddis C, Ashermann D. Identification of Citrullinated Heat Shock Protein 90 Isoforms Autoantigens in Rheumatoid Arthritis associated Interstitial Lung Disease. *Arthritis Rheum.* 2013;65(4);869-79.
12. Xie G, Roshandel D, Sherva R, Monach PA, Lu Y, Kung T, Carrington K, Zhang SS, Pulit SL, Ripke S, Carete S, **Dellaripa PF**, Edberg JC, Hoffman GS, Khalisis N, Langford CA, Mahr AD, St Clair EW, Seo P, Specks U, Spiera RF, Stone JH, Ytterberg SR, Raychaudhuri S, de Bakker PIW, Farrer LA, Amos CI, Merkel PA, Siminovitch KA. Granulomatosis with polyangiitis (Wegener's) is associated with HLA-DPB1\*04 And SEMA6A gene variables. Evidence from genome wide analysis. *Arthritis Rheum* 2013 ;65(9) ;2157-68.
13. Doyle T, Lee J, **Dellaripa PF**, Lederer J, Matteson E, Ascherman D, Glassberg M, Ryu J, Danoff S, Brown K, Collard H, Rosas I. A roadmap to promote clinical and translational research in rheumatoid arthritis-associated interstitial lung disease. *Chest.* 2014 145(3):454-63.
14. Doyle T, **Dellaripa PF**, Batra K et al. Functional Impact of a spectrum of interstitial lung abnormalities in rheumatoid arthritis. *Chest.* 2014;146 (1):41-50
15. Saketkoo LA, Mittoo S, Huscher D, Khanna D, **Dellaripa PF**, Distler O et al. Connective tissue related interstitial lung disease and idiopathic pulmonary fibrosis: provisional core-sets of domain and instruments for use in clinical trials. *Thorax* 2014;69;428-36
16. Chen J, Doyle TJ, Liu Y, Aggarwal R, Wang X, Shi Y, Ge SX, Huang H, Lin Q, Liu W, Cai Y, Koontz D, Fuhrman CR, Golzarri MF, Liu Y, Hatabu H, Nishino M, Araki T, **Dellaripa PF**, Oddis CV, Rosas IO, Ascherman DP. Biomarkers of rheumatoid arthritis associated interstitial lung disease. *Arthritis Rheumatol.* 2015;Jan.67(1):28-38
17. Rao D, Wei K, Merola JF, O'Brien WR, Takvorian SU, **Dellaripa PF**, Schur PS. The significance of anti-myeloperoxidase and anti-proteinase 3 antibodies in the absence of anti-neutrophil cytoplasmic antibody immunofluorescence positivity *J Rheum online* 2015 doi:10.3899
18. White ES, Xia M, Murray S, Dyal R, Flaherty CM, Flaherty KR, Moore BB, Cheng L, Doyle TJ, Villalba J, **Dellaripa PF**, Rosas IO, Kurtis JD, Martinez FJ. Plasma Surfactant Protein-D, Matrix Metalloproteinase-7, and Osteopontin Index Distinguishes Idiopathic Pulmonary Fibrosis from Other Idiopathic Interstitial Pneumonias. *Am J Respir Crit Care Med.* 2016 Nov 15;194(10):1242-51.
19. Courtwright A, El-Chemaly, **Dellaripa PF**, Goldberg H. Survival and outcomes after lung transplantation for non-scleroderma connective tissue-related interstitial lung disease [J Heart Lung Transplant.](#) 2017 Jul;36(7):763-769. doi: 10.1016/j.healun.2016.12.013. Epub 2016 Dec 31.
20. Sparks JA, Iversen MD, Yu Z, Triedman NA, Prado MG, Miller Kroouze R, Kalia SS, Atkinson ML, Mody EA, Helfgott SM, Todd DJ, **Dellaripa PF**, Bermas BL, Costenbader KH, Deane KD, Lu B, Green RC, Karlson EW. Disclosure of personalized rheumatoid arthritis risk using genetics, biomarkers, and lifestyle factors to motivate health behavior improvements: A randomized controlled trial. *Arthritis Care Res (Hoboken).* 2017 Oct 12. doi: 10.1002/acr.23411. [Epub ahead of print]
21. Merkel PA, Xie G, Monach PA, Ji X, Ciavatta DJ, Byun J, Pinder BD, Zhao A, Zhang J, Qian D, Ripke S, Pagnoux C, Carette S, Chung S, Cuthbertson D, Davis JC, Jr., **Dellaripa PF**, Forbess L, Gewurz-Singer O, Hoffman GS, Khalidi N, Koenig C, Langford CA, Mahr AD, McAlear C, Moreland L, Seo EP, Specks U, Spiera RF, Sreih A, St. Clair W, Stone JH, Ytterberg SR, Elder JT, Ochi T, Hirano N, Edberg JC, Falk RJ, Amos CI, Siminovitch KA for the Vasculitis Clinical Research

- Consortium. Identification of functional and expression polymorphisms associated with risk for anti-neutrophil cytoplasmic autoantibody-associated vasculitis *Arthritis Rheumatol.* 2017; May;69(5):1054-1066. doi: 10.1002/art.40034. Epub 2017 Apr 6
22. Doyle TC, Dhillon N, Mdan R, Cabral F, Fletcher EA, Kootz DC, Aggarwal R, Osorio JC, Rosas IO, Oddis CV **Dellaripa PF**. Rituximab in the treatment of interstitial lung disease associated with antisynthetase syndrome: a multi-center retrospective case review. *J Rheum.* 2018;45(6):841-50
  23. Schiffenbauer A, Fahhihi-Kashani D, O'Hanlon TP, Flegel WA, Adams SD, Targoff IN, Oddis CV, Ytterberg SR, Aggarwal R, Christopher-Stine L, Shamim EA, **Dellaripa P**, Danoff SK, Mammen AL, Miller FW. The Impact of Cigarette Smoking on the Clinical and Serological Phenotypes of Polymyositis and Dermatomyositis. *Sem Arthritis Rheum* 2018;48(3):504-12
  24. **Sreih AG**, **Ezzedine R**, **Leng L**, **Fan J**, **Yao J**, **Reid D**, **Pieczychna M**, **Carette S**, **Cuthbertson D**, **Dellaripa P**, **Hoffman GS**, **Khalidi NA**, **Koenig CL**, **Langford CA**, **Mahr A**, **McAlear CA**, **Maksimowicz-Mckinnon K**, **Monach PA**, **Seo P**, **Specks U**, **St Clair EW**, **Stone JH**, **Ytterberg SR**, **Merkel PA**, **Bucala R**. Role of Macrophage Migration Inhibitory Factor in Granulomatosis With Polyangiitis. *Arthritis Rheumatol.* 2018;70(12):2077-86
  25. Sparks JA, Iversen MD, Yu Z, Triedman NA, Prado MG, Miller Kroouze R, Kalia SS, Atkinson ML, Mody EA, Helfgott SM, Todd DJ, **Dellaripa PF**, Bermas BL, Costenbader KH, Deane KD, Lu B, Green RC, Karlson EW. Disclosure of personalized rheumatoid arthritis risk using genetics, biomarkers, and lifestyle factors to motivate health behavior improvements: A randomized controlled trial. *Arthritis Care Res.* 2018; Jun;70(6):823-833. PMID: 29024454; PMCID: PMC5897224
  26. Sparks JA, Doyle TJ, He X, Pan B, Iannaccone CK, Frits ML, **Dellaripa PF**, Rosas IO, Lu B, Weinblatt ME, Shadick NA\*, Karlson EW\*. Incidence and predictors of dyspnea on exertion in a prospective cohort of patients with rheumatoid arthritis. *ACROpen Rheum.* 2018 (In press). DOI: 10.1002/acr2.1001 \*Contributed equally.
  - 27 Huang S, He X, Doyle TJ, Zaccardelli A, Marshall AA, Friedlander HM, Blaustein RB, Smith EA, Cui J, Iannaccone CK, Mahmoud TG, Weinblatt ME, **Dellaripa PF**, Shadick NA, Sparks JA. Association of rheumatoid arthritis-related autoantibodies with pulmonary function test abnormalities in a rheumatoid arthritis registry. *Clin Rheumatol.* 2019 (In Press).
  28. Solomon, Joshua; Matson, Scott; Kelmenson, Lindsay; Chung, Jonathan; Hobbs, Stephen; Rosas, Ivan; **Dellaripa, Paul**; Doyle, Tracy; Poli, Sergio; Esposito, Anthony; Visser, Ashley; Marin, A; Amigues, Isabelle; Fernández Pérez, Evans; Brown, Kevin; Mahler, Michael; Heinz, David; Cool, Carlyne; Deane, Kevin; Swigris, Jeffrey; Demoruelle, H. Kristen. IgA Antibodies Directed Against Citrullinated Protein Antigens Are Elevated in Patients with Idiopathic Pulmonary Fibrosis Chest 2019 accepted for publication.
  29. Oliveira, Rudolf; Waxman, Aaron; Hoover, Paul; Dellaripa, Paul; Systrom, David Pulmonary vascular and right ventricular burden during exercise in interstitial lung disease, accepted Chest Feb 2020
  - 30 Solomon DH, Glynn RJ, Karlson EW, et al. Adverse Effects of Low-Dose Methotrexate: A Randomized Trial. *Ann Intern Med.* 2020;:. [Epub ahead of print 18 February 2020]. doi: <https://doi.org/10.7326/M19-3369>

### **Other peer-reviewed publications:**

1. Up to Date (uptodate.com): Author of sections on lung diseases in Systemic Lupus Erythematosus (SLE) and Dermatomyositis, 2009-2019

### **Non-peer reviewed scientific or medical publications/materials in print or other media**

#### **Reviews, chapters, monographs and editorials:**

1. **Dellaripa PF**. Diagnosis and Treatment of Gout in the Intensive Care Unit. *J Intensive Care Med*. 1997;12(4):206-12.
2. **Dellaripa PF**, Beamis JF. Percutaneous Tracheostomy. *Interventional Pulmonary Medicine*. Ed. New York: McGraw Hill Publishing; 1998;285-94.
3. Vernovsky I, **Dellaripa PF**. PCP prophylaxis in Patients with Rheumatic Diseases on immunosuppressive Therapy. *J Clin Rheum*. 2000;6(2):95-101.
4. **Dellaripa PF**. Toxic Shock Syndrome. *J Intensive Care Med*. 2000; 15(6):314-20.
5. **Dellaripa PF**. Commentary on B. White et al. Cyclophosphamide is associated with pulmonary function and survival benefit in patients with scleroderma and alveolitis. In: *Ann Int Med* 2000; 132:947-54; In: *J Clin Rheum*. 2001;7(1):51-2.(editorial).
6. **Dellaripa PF**, Giansiracusa DF, Liu NYN, Strongwater SL. Rheumatologic and Collagen Vascular Disorders in the Intensive Care Unit and Vasculitis in the Intensive Care Unit. In: Irwin RS and Rippe JM, Eds. *Intensive Care Medicine*. 5<sup>th</sup> edition. Philadelphia: Lippincott, Williams and Wilkins. Publication 2003; 2083-2112/2140-50.
7. **Dellaripa PF**, Howard D. Vasculitis in the Intensive Care Unit. In: Irwin RS and Rippe JM, editors. *Intensive Care Medicine*. 6<sup>th</sup> edition. Philadelphia: Lippincott, Williams and Wilkins, 2007 (book chapter).
8. Badra K, **Dellaripa PF**. Addressing interstitial lung disease and the rheumatologic diseases. *J Musculoskeletal Med.*, December 2007.
9. **Dellaripa PF**, Howard D, Nutritional Issues and Vasculitis. In *Nutrition and Rheumatic Disease*. Coleman LA., editor. 1<sup>st</sup> edition. Totowa: Humana Press 2008.
10. K Phillips, Flaherty KR, Matteson EC, Bongartz T, Bathon J, **Dellaripa PF**. Interstitial Lung Disease in Rheumatoid Arthritis. *Current Rheum Rev* 6(2). 2010, 120-6.
11. **Dellaripa PF**, Rosas IO. The Lung in Rheumatic Disease in Hochberg M, editor. *Textbook of Rheumatology* 5<sup>th</sup> edition publication Oct 2010.
12. **Dellaripa PF**, Howard D. Vasculitis in the Intensive Care Unit. In: Irwin RS, Rippe JM, editors. *Intensive Care Medicine*. 7<sup>th</sup> edition. Philadelphia: Lippincott, Williams and Wilkins, 2012.
13. **Dellaripa PF**, Todd D. Rheumatologic emergencies. In: McKean SM, Ross JJ, Ginsberg J, editors. *Principles and Practice of Hospital Medicine*. New York: McGraw-Hill, 2011.
14. Goldberg H, **Dellaripa PF**. Pulmonary Manifestations of SLE. In Massarotti E, Schur PH, editors. *SLE: Clinical Manifestations*. Springer, 2012.

15. **Dellaripa PF**. Systemic vasculitis. In Singh AK, Loscalzo J, editors. Intensive Review of Internal Medicine. Oxford, 2012.
16. Castelino FV, **Dellaripa PF**. Scleroderma, Pathogenesis and Clinical Manifestations. In Tsokas G editor. Encyclopedia of Medical Immunology. Springer 2013
17. Rao DA, **Dellaripa PF**. Extrapulmonary Manifestations of Sarcoidosis. Rheum Dis Clinics North America 2013;39(2):277-97.
18. Rosas IO, **Dellaripa PF**, Lederer DJ, Khanna D, Young LR, Martinez FJ. NHLBI workshop on the primary prevention of chronic lung diseases: Interstitial lung disease. Ann Am Thoracic Soc 2014 ;11(3):S169-177
19. Chansakul T, **Dellaripa PF**, Doyle TJ, Madan R. Intra thoracic rheumatoid arthritis: imaging spectrum of typical findings and treatment related complications. Eur J Radiol 2015;84(10):1981-91
20. Doyle TJ, **Dellaripa PF**. Lung manifestations of rheumatic diseases. [Chest](#). 2017;152(6):1283-1295
21. **Dellaripa ,PF** Interstitial Lung Disease in the Connective Tissue Diseases; A Paradigm Shift in Diagnosis and Treatment. J Clin Immunol 2018;186:71-73
22. Fischer A, Streck ME, Cotton V, **Dellaripa PF** et al. Proceedings of the American College of Rheumatology/Association of Physicians of Great Britain and Ireland Connective Tissue Disease–Associated Interstitial Lung Disease Summit: A Multidisciplinary Approach to Address Challenges and Opportunities. Arthritis Rheum 71(2):182-195
23. Doyle TJ, Dellaripa PF. Management of lung disease in myositis in Managing Myositis ed Aggarwal R . Springer 2019
24. Esposito A, Chou S, Madan R, Doyle TJ, **Dellaripa PF**. Rheumatoid Arthritis and the Lung Clinics Chest Medicine publication pending 2019

#### **Books/Text Books for the medical or scientific community**

1. **Dellaripa PF**. Rheumatologic and Immunologic Problems in the Intensive Care Unit, section editor. In: Irwin RS, Rippe JM, editors. Manual of Intensive Care Medicine, 4<sup>th-6th</sup> Edition. Philadelphia: Lippincott, Williams and Wilkins; 2006,2010,2014.
2. **Dellaripa PF**. Vasculitis in the Intensive Care Unit. In: Irwin S. Rippe JM, editors. Manual of Intensive Care Medicine, 4<sup>th</sup> Edition. Philadelphia: Lippincott, Williams and Wilkins; 2006. 848-50.
3. **Dellaripa PF**. Vasculitis in the Intensive Care Unit. In: Irwin S. Rippe JM, editors. Manual of Intensive Care Medicine, 5<sup>th</sup> Edition. Philadelphia: Lippincott, Williams and Wilkins; 2010. 848-50. 970-73
4. **Dellaripa PF**. Howard D. Vasculitis in the Intensive Care Unit. In: Irwin S. Rippe JM, editors. Manual of Intensive Care Medicine, 6<sup>th</sup> Edition. Philadelphia: Lippincott, Williams and Wilkins; 2014. 1127-31
5. **Dellaripa PF**, Fischer A. and Flaherty KR, editors, Pulmonary Manifestations of Rheumatic Diseases, Springer, 2014
6. Doyle, Dellaripa PF, Rosas RA Biomarkers in Rheumatoid Arthritis ILD in Lung Disease in Rheumatoid Arthritis.. eds Fischer A and Lee JS Springer 2017
7. **Dellaripa PF**. Howard D. Vasculitis in the Intensive Care Unit. In: Irwin S. Rippe JM,

editors. Manual of Intensive Care Medicine, 6<sup>th</sup> Edition. Philadelphia: Lippincott, Williams and Wilkins; 2017. 2064-72

8. **Dellaripa PF**, Todd D. Rheumatologic emergencies. In: McKean SM, Ross JJ, Dressler DD, Scheurer DB. editors. Principles and Practice of Hospital Medicine. New York: McGraw-Hill, 2017.2017-2023

### **Professional educational materials or reports, in print or other media**

#### **Multimedia/Nonprint:**

1. Developed an instructional CD/video utilizing simulation to teach physicians/nurses behavioral and technical techniques in emergency medical management. "How to run a code successfully," 2005.
2. Goodman, RP, Vaidya A, Dellaripa PF. Interactive Medical Case. An unusual case of abdominal pain. New England Journal of Medicine. 2013
3. Developed an instructional video utilizing simulation in the teaching of disclosure techniques in medical education online 2015

#### **Clinical Guidelines and Reports:**

1. **Dellaripa PF**, Eisenhauer A. Bilateral percutaneous balloon angioplasty of the axillary arteries in a patient with giant cell arteritis and upper extremity ischemic symptoms not responsive to corticosteroids. J Rheumatol. 1998;25:1429-33.
2. Sarwar A, **Dellaripa PF**, Beamis J. A 51-year-old man with fever, ulnar neuropathy, and bilateral pleural effusions. Chest 1999;116:1105-7.
3. **Dellaripa PF**, Weschler ME, Roth ME, Drazen J. Recurrent panniculitis in a 46-year-old male while receiving treatment with the leukotriene modifying agent's zileuton or montelukast. Mayo Clinic Proc. 2000;75:643-5.
4. Derosa F, Craven D, Shaz D, Campagna A, **Dellaripa PF**, Khettry U. Invasive Aspergillosis soon after TNF-alpha neutralizing antibody (Infliximab) therapy: a possible healthcare associated case? Infection Control and Hospital Epidemiology 2003;24(7):477-82.
5. Weinreb N, Rabinowitz A, **Dellaripa PF**. Treatment of Felty's Syndrome with Rituximab. J Clin Rheum. 2006;12(1):48.
6. Gorman SR, Duncan RF, **Dellaripa PF**. Necrotizing myositis complicated by diffuse alveolar hemorrhage and sepsis following corticosteroid therapy. Infections in Medicine. 2006;23(10):480.
7. Stoll ML, Solomon DH, Batra KL, Simard JF, Karlson EW, **Dellaripa PF**, Weinblatt ME, Glass R, Shadick NA. TNFa Inhibitors May Improve Asthma Symptoms: A Case Series of 12 Patients with Rheumatoid Arthritis and Asthma. J Clin Rheum. 2009;15(4):198-200.
8. Velez NF, Ishizawar RC, **Dellaripa PF**, Saavedra AP, Laga AC, Murphy GF, Fisher DS, Kupper TS, Vleugels RA. Full Facial Edema: A Novel Presentation of Subcutaneous Panniculitis-like T-cell Lymphoma. J Clin Oncology 2012,
9. Henderson, LA, Loring SH, Gill RR, Liao KP, Ishizawar R, Kim S, Perlmutter-Goldberg R, Rothman D, Son MB, Stoll, ML, Zemel LS, Sandborg C, **Dellaripa PF**, Nigrovic PA. Shrinking lung syndrome as a manifestation of pleuritis: a new model based on pulmonary physiological studies. J Rheumatol 2013;Mar;40(3):273-81
10. Goodman, R, **Dellaripa PF**, Miller, AL, Loscalzo J An Unusual case of abdominal pain, N Engl J Med , 2014;370:70-5
11. Divakaran S, **Dellaripa PF**, Kobzik L, Levy B, Loscalzo J. All that wheezes. N Engl J Med 2017;377:477-484 DOI: 10.1056/NEJMcps1607526



12. Slavin J, Distasio M, **Dellaripa PF**, Groff M Odontoid cervical gout causing atlantoaxial instability: case report," J Neurosurg accepted 2019

### **Abstracts, Poster Presentations and Exhibits Presented at Professional Meetings**

1. Velez NF, Ishizawar RC, **Dellaripa PF**, Laga-Canales A, Saavedra AP, Murphy GF, Fisher DC, Kupper TS, Vleugels RA. Recalcitrant Full Facial Edema: A Novel Presentation of Subcutaneous Panniculitis-like T-cell Lymphoma. First World Congress of Cutaneous Lymphomas; Chicago, IL, September 22-25, 2010.
2. Saketkoo L, Huscher D, Khanna D, **Dellaripa PF**, Flaherty K, Matteson E. ILD in the connective tissue diseases OMERACT poster presentation American College of Rheumatology, Boston, MA, 2010.
3. Skog A, **Dellaripa PF**, Peyre S. Utilization and Reliability of Medical Simulation Scenarios to Assess Leadership Styles during Transitions of Patient Acuity 11<sup>th</sup> Annual International Meeting on Simulation in Healthcare (IMSH), New Orleans, LA, 2011.
4. Saketkoo L, Huscher D, Khanna D, **Dellaripa PF**, et al. Flaherty K. Developing a Disease Activity and Therapeutic Response Index in Connective Tissue Disease Related Interstitial Lung Disease: Initial Results of a Delphi Exercise American College of Rheumatology Chicago, IL, 2011, Oral presentation.
5. Bongartz T, Matteson E, **Dellaripa PF**, Ryu JH, Crowson C, Hartman T. Open-Label, Pilot Study of the Safety and Clinical Effects of Rituximab in Patients with Rheumatoid Arthritis-Associated Interstitial Pneumonia. American College of Rheumatology, Chicago, IL, 2011.
6. Henderson L, Loring S, Gill R, Liao K, Stoll M, Kim S, **Dellaripa PF**, et al. Shrinking Lung Syndrome is a Multifactorial Process Featuring Reduced Lung Compliance and Extrinsic Ventilatory Restriction. American College of Rheumatology, Chicago, IL, 2011.
7. Saketkoo L, Huscher D, Khanna D, **Dellaripa PF**, et al. Developing an Index for Disease Activity and Therapeutic Response in Connective Tissue Disease Related Interstitial Lung Disease: Results from a Delphi Exercise: "Delivering a Consensus on Domains" oral presentation. American College of Rheumatology, Washington, DC, 2012.
8. Rao D, Wei K, Merola JF, O'Brien WR, Takvorian SU, **Dellaripa PF**, Schur PS. The significance of anti-myeloperoxidase and anti-proteinase 3 antibodies in the absence of anti-neutrophil cytoplasmic antibody immunofluorescence positivity. American College of Rheumatology, San Diego 2013.
9. Doyle TJ, Osario JC, Madan R, Cabrel F, Rosas IO, **Dellaripa PF**. Assessment of the effect of Rituximab in the treatment of ILD associated with the antisynthetase syndrome. American College of Rheumatology 2014 Boston poster presentation.
10. Oliviera RK, Systrom DM, Tracy JA, Karin AL, Waxman AB, **Dellaripa PF**, Hoover P. Exercise tolerance evaluation by invasive cardio pulmonary testing in connective tissue disease; beyond pulmonary hypertension. Poster presentation. American College of Rheumatology, San Francisco 2015.
11. Macfarlane L, **Dellaripa PF**. Impact of Rheumatologic Evaluation and Serologic Testing on Patients with Fibrotic Interstitial Lung Disease: A Single Center Retrospective Experience ACR San Diego 2017
12. Tracy Doyle<sup>1</sup>, Priya Borker<sup>2</sup>, Elaine Fletcher<sup>1</sup>, David Murphy<sup>3</sup>, Rachna Madan<sup>3</sup> and Paul F. **Dellaripa**<sup>4</sup> Clinical, Physiologic, and Radiologic Features Associated with Severe MDA5-Associated Interstitial Lung Disease abstract Poster presentation American College of Rheumatology Chicago 2018

## **Narrative Report**

My career, first at the Lahey Clinic and at Brigham and Women's Hospital (BWH) since 2006, has represented a blend of my interests in clinical care and clinical investigation focusing on the intersection of rheumatic diseases and pulmonary disease. I have also developed and interest in developing unique teaching programs for residents and medical students utilizing medical simulation.

At BWH, I have developed the multidisciplinary interstitial lung disease (ILD) clinic in concert with the pulmonary department, which encompasses expertise in basic science in lung fibrosis, translational research, and clinical care. Our research has shown that such a multidisciplinary approach to patients with inflammatory and fibrotic lung disease can significantly change or redirect a patient's diagnosis and care as noted in our paper in *Rheumatology*. This multidisciplinary model has been emulated at other centers. However, given the relative rarity of these diseases and the need for multi-institutional collaboration, I developed a national and international study group thru the American College of Rheumatology (ACR). This effort has led to a separate international effort to develop outcomes measures for clinical trials, known as OMERACT, with pulmonary and rheumatologic experts from around the world and has spun off newer collaborations between the ACR and the British Rheumatologic Society. I am presently involved in clinical investigation in s different ILD associated studies with rheumatoid arthritis ( first prospective trial using antifibrotic therapy in RA ILD) and in scleroderma lung study III as well as pilot trial using abatecept in antisynthetase syndrome related ILD. I am also a collaborator on a variety of retrospective and prospective efforts to better understand the underlying phenotypes, natural history and molecular mechanisms associated with ILD in the connective tissue diseases. I have been invited to participate annually at the ACR national meeting to help educate physicians on the intersection of lung disease and rheumatologic disease, to write and publish in this area of clinical expertise, and to mentor young physicians who now share this interest as well.

In my role as a medical educator at BWH, I have served as the Assistant Medical Director of the Simulation Center ( STRATUS) . I have created a simulation teaching program and curriculum that have been embedded within the inpatient teaching curriculum for the internal medical residency program. My own area of interest has been in studying the role of leadership, disclosure and leadership behavior in successful team function and I continue to communicate these concepts througha self produced video program that is now available on line during our intern orientation program in June and is used by other medical schools as a teaching tool as well. In addition, I serve in multiple CME programs thru BWH and HMS as a speaker and leadership role and continue to attend yearly on the ITU medical teaching service as attending physician.

**From a community and volunteer perspective, I have been appointed to serve on the Financial Aid Advisory committee at Harvard Medical School commencing September 2018. In addition,**

**I continue to work with the Indian Health Service as an on-site physician volunteer and telemedicine educator and consultant. Also I am a part of the newly formed and nascent Partners Sustainability Group which is creating a template for physician engagement in the area sustainability of the health care system in relation to our environment and climate change.**

In summary, I have been fortunate to combine my interests and training in both lung diseases and rheumatology to establish a novel clinical delivery system to further patient care, clinical investigation, and collaboration through the network of centers that I have established. At the same time, I have sought to combine my love of teaching and communication about my areas of interest locally at BWH and at Harvard Medical School, and nationally through the ACR.