

CONTACT

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EDUCATION

07/2015 – Present **Case Western Reserve University School of Medicine, Cleveland, OH**
Medical Scientist Training Program (MSTP)
Anticipated degrees: MD, PhD

08/2011 – 04/2015 **University of Pittsburgh Honors College, Pittsburgh, PA**
BS, Biology with Chemistry Minor (Summa Cum Laude)
BS, Psychology (Summa Cum Laude)
BA, Philosophy (Summa Cum Laude)

HONORS and AWARDS

2020 Invited Knockout Round Oral Presentation, Endocrine Society, ENDO2020
2020 Top 15 Trainee Abstract, Endocrine Society, ENDO2020
2019 Early Career Investigator Travel Award Recipient to 2019 Kern Lipid Conference
2019 Invited Podium Presentation, AAP/ASCI/APSA Joint Meeting
2019 ASCI Travel Award Recipient, AAP/ASCI/APSA Joint Meeting
2018 Biomedical Graduate Student Symposium – 1st Place Poster Presentation
2018 Cardiovascular Research Institute Retreat Poster Winner
2017 – 2018 NIH Cardiovascular Research Training Program (T32) Pre-doctoral Trainee Award
2015 Yuan Prize for Outstanding Academic Performance
2011 – 2015 University of Pittsburgh Academic Scholarship
2011 – 2015 Dean's List (every semester)
2012 A. William Lawry Academic Scholarship – Pittsburgh Central Federal Credit Union
2011 G. Napier and Ellen T. Wilson Scholarship for Outstanding Volunteers at the Veterans Affairs Hospital

PUBLICATIONS

1. Sweet DR, **Fan L**, Jain MK. Taking KLF9 to “Cort” for Crimes Against Metabolism. *JCI*. 2019.
2. Hsieh PN, **Fan L**, Sweet DR, Jain MK. The Krüppel-Like Factors and Control of Energy Homeostasis. *Endocrine Reviews*. 2018.
3. Sugi K, Hsieh PN, Ilkayeva O, Shelkay S, Moroney B, Baadh P, Haynes B, Pophal M, **Fan L**, Newgard CB, Prosdocimo DA, Jain MK. Kruppel-like Factor 15 is Required for the Cardiac Adaptive Response to Fasting. *PLoS One*. 2018.
4. Sweet DR, **Fan L**, Hsieh PN, Jain MK. Krüppel-like factors in vascular inflammation: mechanistic insights and therapeutic potential. *Front Cardiovasc Med*. **5** (2018). PMID: PMC5807683
5. Hsieh PN, Sweet DR, **Fan L**, Jain MK. Aging and the Krüppel-like factors. *Trends in Cell and Mol Bio*. **12** (2017). PMID: PMC5798252
6. **Fan L**, Hsieh PN, Sweet DR, Jain MK. Krüppel-like factor 15: Regulator of BCAA metabolism and circadian protein rhythmicity. *Pharmacol Res*. **130** (2017). PMID: 29288718

7. Wang J, Vodovotz Y, **Fan L**, Li Y, Liu Z, Namas R, Barclay D, Zamora R, Billiar TR, Wilson MA, Fan J, Jiang Y. The Injury-Induced MRP8/MRP14 Stimulates IP-10/CXCL10 in Monocytes/Macrophages. Submitted to. *FASBE J*, 2015, 29(1):250-82.
8. Wen Z, **Fan L** (Co-First author), Li Y, Zou Z, Scott MJ, Xiao G, Li S, Billiar TR, Wilson MA, Shi X, and Fan J. Activated Neutrophils Counteract Alveolar Macrophage Anti-Inflammatory Mechanisms to Sustain Acute Lung Inflammation after Hemorrhagic Shock. *J Immunol*. 2014, 193(9) 4623-4633.
9. Xu J, Jiang Y, Wang J, Shi X, Liu Q, Liu Z, Li Y, Scott MJ, Xiao G, Li S, **Fan L**, Billiar TR, Wilson MA, and Fan J. Macrophage Endocytosis of High Mobility Group Box 1 (HMGB1) Triggers Pyroptosis in Mouse. *Cell Death Differ*. 2014. 21(8): 1229-39.
10. Liu Z, Jiang Y, Li Y, Wang J, **Fan L**, Scott MJ, Xiao G, Li S, Billiar TR, Wilson MA, and Fan J. TLR4 Signaling Augments Monocyte Chemotaxis by Regulating G Protein Coupled Receptor Kinase 2 Translocation. *J. Immunol*. 2013, 191 (2): 857.
11. Xu P, Wen Z, Shi X, Li Y, **Fan L**, Xiang M, Li A, Scott M J, Xiao G, Li S, Billiar TR, Wilson MA, and Fan J. Hemorrhagic Shock Augments Nlrp3 Inflammasome Activation in the Lung through Impaired Pyrin Induction. *J Immunol*. 2013, 190(10):5247.
12. Xiang M, Yuan Y, **Fan L**, Li Y, Li A, Yin L, Scott MJ, Xiao G, Billiar TR, Wilson MA, and Fan J. Role of Macrophages in Mobilization of Hematopoietic Progenitor Cells From Bone Marrow after Hemorrhagic Shock. *Shock*. 2012, 37(5):518-523.

ORAL PRESENTATION

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| 04/2019 | AAP/ASCI/APSA Joint Meeting, Chicago, IL. "Skeletal muscle KLF15 and PPAR δ cooperate to regulate skeletal muscle lipid metabolism." |
| 10/2018 | Cardiovascular Research Institute Annual Retreat. Cleveland, OH. "The role of skeletal muscle KLF15 in regulating systemic lipid metabolism." |
| 05/2018 | Cardiovascular Research Institute Seminar Series (CRISS), Cleveland, OH. "The role of skeletal muscle KLF15 on systemic nutrient metabolism." |
| 05/2014 | Surgical Research Day, Department of Surgery, University of Pittsburgh. Pittsburgh, PA. "Autophagy-mediated anti-inflammatory mechanism in alveolar macrophage following hemorrhagic shock." |

POSTER PRESENTATIONS

1. Fan L, Prosdocimo DA, Jain, MK (March 2019) Skeletal muscle KLF15 and PPAR δ cooperate to regulate skeletal muscle lipid metabolism. Poster session presented at Endocrine Society ENDO 2019 Meeting, New Orleans, LA.
2. Fan L, Prosdocimo DA, Sweet DR, Jain, MK (October 2018) Skeletal muscle Kruppel-like factor 15 (KLF15) is a major regulator of systemic lipid metabolism. Poster session presented at annual Biomedical Graduate Student Symposium, Cleveland, OH.
3. Fan L, Prosdocimo DA, Sweet DR, Jain, MK (September 2018) Skeletal muscle Kruppel-like factor 15 (KLF15) is a major regulator of systemic lipid metabolism. Poster session presented at annual CWRU Lepow Day, Cleveland, OH.
4. Fan L, Prosdocimo DA, Sweet DR, Jain, MK (May 2018) Skeletal muscle Kruppel-like factor 15 (KLF15) is a major regulator of systemic nutrient metabolism. Poster session presented at annual Department of Medicine Research Day, Cleveland, OH.
5. Fan L, Prosdocimo DA, Sweet DR, Jain, MK (April 2018) Skeletal muscle Kruppel-like factor 15 (KLF15) is a major regulator of systemic lipid metabolism. Poster session presented at annual Joint Meeting for American Physician Scientist Association and American Society for Clinical Investigation, Chicago, IL.
6. Fan L, Prosdocimo DA, Sweet DR, Jain, MK (March 2018) Skeletal muscle Kruppel-like factor 15 (KLF15) is a major regulator of systemic lipid metabolism. Poster session presented at annual CWRU MSTP Winter Retreat, Cleveland, OH.

PROFESSIONAL SOCIETIES

2019 – Present Hemostasis and Thrombosis Research Society
2019 – Present Endocrine Society Member
2019 – Present American Physician Scientists Association
2018 – Present American Association for the Advancement of Science
2015 – Present American Medical Student Association

ACTIVITIES

2015 – Present CWRU Medical Scientist Training Program Interview Coordinator
2015 – Present MSTP Women's Group
2017 – 2018 MSTP Council Community Service Chair
2015 – 2017 CWRU School of Medicine Admissions Committee Student Interviewer
2015 – 2016 CWRU Emergency Medicine Interest Group Leader
2015 – 2016 CWRU Anatomy Camp Team Leader
2015 – 2016 CWRU Healthy Heart Clinic Volunteer
2011 – 2015 C.F. Reynolds Medical History Society

PROFESSIONAL EXPERIENCE

05/2015 - Present MD/PhD Candidate, Case Western Reserve University, Medical Scientist Training Program (MSTP), Cleveland, OH
02/2014 - 05/2015 Clinical Trials Research Assistant for Multidisciplinary Acute Care Clinical Research Organization (MACRO), University of Pittsburgh Medical Center, Pittsburgh, PA
06/2009 – 07/2015 Surgical Research Assistant at Department of Surgery, University of Pittsburgh School of Medicine and Veterans Affairs Pittsburgh Healthcare System, Pittsburgh, PA
09/2012 - 01/2015 Undergraduate Teaching Assistant at University of Pittsburgh, Pittsburgh, PA
09/2011 – 07/2015 Researcher and Section Manager for Winning Words Debate Company, Pittsburgh, PA
01/2012 – 06/2015 Flute Instructor for Fanny Edel Falk Laboratory School of University of Pittsburgh, PA
01/2012 – 10/2012 Tutor at Pittsburgh Milliones, University Preparatory School 6-12, Pittsburgh, PA