

## MPN Workshop of the Carolinas 2024



**August 23 – 25, 2024**  
**OMNI Grove Park Inn, Asheville, NC**

The MPN Workshop of the Carolinas aims to provide up-to-date information about the pathogenesis and management of myeloproliferative neoplasms (MPN) to practicing clinicians and will foster discussion between clinicians and scientists about management challenges and opportunities to improve outcomes for individuals with MPN.

**Objectives:**

- Identify optimal therapy for MPN patients.
- Analyze current knowledge of molecular response as a surrogate endpoint for clinically meaningful endpoints such as overall survival, leukemia-free survival, thrombosis-free survival in MPN.
- Discuss potential vulnerabilities of MPN stem cells or the hematopoietic stem cell niche that can be exploited to further optimize MPN treatment.

For more information, contact [gina.barnard@atriumhealth.org](mailto:gina.barnard@atriumhealth.org)

Follow this link to register and pay online:

<https://www.southpiedmontahec.org/event/71827>



# MPN Workshop of the Carolinas 2024

August 23 – 25, 2024

OMNI Grove Park Inn, Asheville, NC



## Course Directors

**Ruben Mesa, MD** | *Atrium Health Wake Forest Comprehensive Cancer Center*

**Naveen Pemmaraju, MD** | *MD Anderson Cancer Center*



## Co-Course Directors

**Rupali R. Bhawe, MD** | *Atrium Health Wake Forest Comprehensive Cancer Center*

**Alexander R. Coltoff, MD** | *MUSC Health*

**Michael Grunwald, MD** | *Levine Cancer, Atrium Health*

**Brandi Reeves, MD** | *UNC School of Medicine*

**Lindsay Rein, MD** | *Duke Health*

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## AGENDA

### Friday, August 23, 2024

8:00 AM – 9:00 AM	<b>BREAKFAST &amp; VISIT EXHIBITS</b>
9:00 AM – 9:05 AM	<b>OPENING REMARKS &amp; MPN UPDATES-</b> Ruben Mesa, MD & Naveen Pemmaraju, MD
9:05 AM – 10:30 AM	<b>Special Session #1: JAK2 &amp; CALR: Past, Present, &amp; Future Directions</b> * <b>NO CREDIT</b> *
9:05 AM – 9:35 AM	* <b>Keynote #1:</b> Targeting JAK2: From Wildtype to More Specific Approaches <i>Ross L. Levine, MD</i>
9:35 PM – 10:05 AM	* <b>Keynote #2: CALR:</b> Marking 10 Years from Discovery to Mutant-Specific Targeting <i>Jyoti Nangalia, PhD</i>
10:05 AM – 10:30 AM	* <b>Panel discussion:</b> Targeting JAK2 and CALR <b>Moderators:</b> <i>Ruben Mesa, MD &amp; Naveen Pemmaraju, MD</i> All speakers above
10:30 AM – 11:00 PM	<b>BREAK &amp; VISIT EXHIBITS</b>
11:00 AM – 12:30 PM	<b>Session #1: Inflammation, CHIP, and Disease Pathobiology in MPNs: Current and Future Directions</b> - * <b>NO CREDIT</b> *
11:00 AM – 11:15 AM	* <b>CHIP: Current and Future Directions</b> <i>David P. Steensma, MD, FACP</i>
11:15 AM – 11:30 AM	* <b>Inflammation, Dietary Factors, and the MPN Microenvironment</b> <i>Angela G. Fleischman, MD</i>
11:30 AM - 11:45 AM	* <b>Molecular Risk Factors for Progression in MPNs</b> <i>Rafael Bejar, MD, PhD</i>
11:45 AM - 12:00 PM	* <b>Leveraging Signaling Networks for the Identification of Novel Targets in MPNs</b> <i>Stephen T. Oh, MD, PhD</i>
12:00 PM - 12:15 PM	* <b>Inflammation and the MPNs: Reflections on COVID19 and MPNs: Lessons Learned</b> <i>Laura C. Michaelis, MD</i>
12:15 PM – 12:30 PM	* <b>Panel Discussion:</b> Inflammation and Disease Pathobiology in MPNs: Relevance and Therapeutic Implications <b>Moderators:</b> <i>Angela G. Fleischman, MD &amp; Stephen Oh, MD</i> All speakers above
12:30 PM – 1:30 PM	<b>LUNCH &amp; VISIT EXHIBITS</b>

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### Friday, August 23, 2024

1:30 PM – 3:45 PM	<b>Session #2:</b> Focus on Translational Aspects of MPNs: The MPN-RF Spotlight Session
1:30 PM – 1:45 PM	<b>HMGA1 and 2 in MPN: Biomarkers for Disease Progression</b> <i>Linda M. Smith-Resar, MD</i>
1:45 PM – 2:00 PM	<b>Different Niches for Stem Cells with the Same Oncogenic</b> <i>Simon Mendez-Ferrer, PhD</i>
2:00 PM – 2:15 PM	<b>Novel Biomarkers in MPN</b> <i>Vikas Gupta, MD, FRCP, FRCPath * PRESENTING REMOTELY</i>
2:15 PM – 2:30 PM	<b>Dissecting the Pathophysiological Role of GLUT1 in Driving Type 1 CALR-Mutated Myeloproliferative Neoplasms</b> <i>Shannon Elf, PhD</i>
2:30 PM – 2:45 PM	<b>The Role of Iron Deficiency, Inflammation &amp; HIF in Thromboses of Polycythemia Vera and Essential Thrombocythemia</b> <i>Josef T. Prchal, MD</i>
2:45 PM – 3:00 PM	<b>Role of Gas6-Axl-MERTK in Myeloproliferative Neoplasm Thrombosis</b> <i>Joan Beckman, MD, PhD</i>
3:00 PM – 3:15 PM	<b>Mirabegron Study in MPNs</b> <i>Radek C. Skoda, MD</i>
3:15 PM – 3:30 PM	<b>JAK2.V617F Causes Lymphopenia by Blocking Lymphopoiesis</b> <i>Joseph M. Scandura, MD</i>
3:30 PM – 3:45 PM	<b>Panel Discussion</b> <b>Moderators:</b> <i>Linda M. Smith-Resar, MD &amp; Kapila Vigas</i> All speakers above
3:45 PM – 4:30 PM	<b>Special Session #2:</b> Interferons in MPN: What is Old is New Again
3:45 PM – 4:00 PM	<b>Interferon in Polycythemia Vera: Long Term Experience from a Single Center</b> <i>Richard T. Silver, MD * PRE-RECORDED LECTURE</i>
4:00 PM – 4:15 PM	<b>Updates on Ropeginterferon</b> <i>Ghaith Abu-Zeinah, MD</i>
4:15 PM – 4:30 PM	<b>Panel Discussion:</b> Interferon, Molecular Response and Best Use Practices All speakers above
4:30 PM – 5:00 PM	<b>CLOSING COMMENTS &amp; FEEDBACK</b> - Ruben Mesa, MD & Naveen Pemmaraju, MD
5:00 PM – 6:00 PM	<b>BREAK &amp; NETWORKING</b>
6:00 PM – 7:30 PM	<b>DINNER &amp; COCKTAIL HOUR</b>



# MPN Workshop of the Carolinas 2024

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## AGENDA

Saturday, August 24, 2024

8:00 AM – 8:40 AM	<b>BREAKFAST &amp; VISIT EXHIBITS</b>
8:40 AM – 8:45 AM	<b>OPENING REMARKS</b>
8:45 AM – 9:00 AM	<b>RUXOPEG: Combining JAKi and IFN</b> <i>Jean-Jacques Kiladjan, MD, PhD</i>
9:00 AM – 10:30 AM	<b>Session # 3: ET, PV, and Special Topics in MPNs</b>
9:00 AM – 9:15 AM	<b>Essential Thrombocytosis in 2023: Updates</b> <i>Rupali R. Bhave, MD</i>
9:15 PM – 9:30 AM	<b>PV: Newer Options: From Ruxo to Ropeg to Rusfertide and Beyond</b> <i>Lindsay A.M. Rein, MD</i>
9:30 AM – 9:45 AM	<b>What Have Our Insights Have Our Long Term MPN Registry Studies Taught Us</b> <i>Mike Grunwald, MD</i>
9:45AM – 10:00 AM	<b>MPN Genomics: Focus on TP53 in MPNs -&gt; Past, Present, and Future</b> <i>Raajit K. Rampal, MD, PhD</i>
10:00AM – 10:15 AM	<b>Management of Patients with MPN in Transformation to AP/BP</b> <i>Anand A. Patel, MD</i>
10:15AM – 10:30 AM	<b>Panel Discussion: Interferon</b> <b>Moderators:</b> <i>Raajit K. Rampal, MD, PhD &amp; Rupali R. Bhave, MD</i> All speakers above
10:30 AM – 12:30 PM	<b>Session #4: Myelofibrosis: Updates on JAK inhibitors, Past, Present, and Future</b>
10:30 AM – 10:45 AM	<b>Prefibrotic MF: Special Considerations for a New Entity</b> <i>Prithviraj Bose, MD</i>
10:45 AM – 11:00 AM	<b>Anemia in MF: An Emerging Area for Therapeutic Development</b> <i>Ruben Mesa, MD</i>
11:00 AM – 11:15 AM	<b>Ruxolitinib in 2024 and Beyond: The Good, The Suboptimal, and the Failure</b> <i>Aaron Gerds, MD * PRESENTING REMOTELY</i>
11:15 AM - 11:30 AM	<b>Fedratinib in 2024 and Beyond: 2nd JAK Inhibitor Approved in MF</b> <i>Alexander R. Coltoff, MD</i>
11:30 AM – 11:45 AM	<b>Pacritinib in 2024: 3rd JAK Inhibitor Approved in MF</b> <i>John O. Mascarenhas, MD</i>
11:45 AM – 12:00 PM	<b>Momelotinib in 2024: Updates and Future in MF</b> <i>Andrew Kuykendall, MD</i>
12:00 PM – 12:30 PM	<b>Panel Discussion: JAKi in 2024 and Beyond</b> <b>Moderator:</b> <i>Ruben Mesa, MD</i> All speakers above
12:30 PM – 1:30 PM	<b>LUNCH &amp; VISIT EXHIBITS</b>

# MPN Workshop of the Carolinas 2024

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## AGENDA

**Saturday, August 24, 2024**

**1:30 PM – 3:30 PM Session #5: Novel Pathways and Targets in MPNs: Moving Beyond JAK Inhibitors: Focus on Disease Modification**

**1:30 PM – 1:45 PM Novel Targeted Therapies for Myelofibrosis: Telomerase Inhibition**

*Rami Komrokji, MD*

**1:45 PM – 2:00 PM Novel Targeted Therapies for Myelofibrosis: BET inhibition**

*Lucia Masarova, MD*

**2:00 PM – 2:15 PM Novel Targeted Therapies for Myelofibrosis: Targeting BCLxL in MPNs**

*Naveen Pemmaraju, MD*

**2:15 PM – 2:30 PM Novel Targeted Approach: XPO1 Inhibition in MPNs**

*Sri K. Tanthravati, MBBS, MRCP(UK)*

**2:30 PM – 2:45 PM Clinical Updates: LSD1 Inhibitors in MPNs**

*Kristin M. Pettit, MD*

**2:45 PM – 3:00 PM Anti-fibrotic agents in MF: Update on Novel Approaches and Therapies**

*Abdulraheem Yacoub, MD*

**3:00 PM – 3:15 PM Clinical Updates: MDM2 Inhibitors in MPNs**

*Pankit Vachhani, MD*

**3:15 PM – 3:30 PM Panel Discussion**

**Moderators:** *Naveen Pemmaraju MD & Kristin Pettit, MD*

*All speakers above*

**3:30 PM CLOSING COMMENTS**

# MPN Workshop of the Carolinas 2024

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## AGENDA

Sunday, August 25, 2024

8:00 AM – 8:55 AM **BREAKFAST & VISIT EXHIBITS**

8:55 AM – 9:00 AM **OPENING REMARKS:** *Ruben Mesa, MD & Naveen Pemmaraju, MD*

9:00 AM – 10:15 AM **Session #6:** Stem Cell Transplantation and CAR-T/Immunotherapy in MPNs

9:00 AM – 9:15 AM **SCT in Myelofibrosis: Review of Clinical Data and Standards of Care**

*Jeanne M. Palmer, MD*

9:15 AM – 9:30 AM **Building a SCT program for MPNs: Special Considerations and Challenges**

*Zohra Nooruddin, MD*

9:30 AM – 9:45 AM **Conditioning Regimen Optimization in SCT for MPNs**

*Uday R. Popat, MD*

9:45 AM – 10:00 AM **Future Directions post-SCT : Potential Applications for CAR-T and Immunotherapy in MPNs**

*Tania Jain, MBBS*

10:00 AM – 10:15 AM **Panel Discussion:** Stem Cell Transplantation in MPNs

**Moderators:** *Jeanne M. Palmer, MD & Zohra Nooruddin, MD*

All speakers above

10:15 AM – 12:00 PM **Session #7:** Rare and Overlap Syndromes: CMML, SM, and BPDCN

10:15 AM – 10:30 AM **Novel Therapeutic Targets in CMML**

*Mrinal S. Patnaik, MD*

10:30 AM – 10:45 AM **Systemic Mastocytosis: Evolution of the Field of SM**

*Jason Gotlib, MD*

10:45 AM – 11:00 AM **Blastic Plasmacytoid Dendritic Cell Neoplasm (BPDCN)**

*Naveen Pemmaraju, MD*

11:00 AM – 11:15 AM **Novel Targets in CNL and Molecular Insights**

*Jeffrey W. Tyner, PhD*

11:15 AM - 11:30 AM **MDS/MPN Syndromes and Atypical CML: Novel Directions**

*Julia Maxson, PhD*

11:30 AM – 11:45 AM **Jak2 ex13inDel CEL and Polycythemia Vera: Identification of a Novel Syndrome**

*Ami B. Patel, MD*

11:45 AM – 12:00 PM **Panel Discussion**

**Moderators:** *Jason Gotlib, MD*

All speakers above

12:00 PM – 1:00 PM **LUNCH & VISIT EXHIBITS**

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## AGENDA

Sunday, August 25, 2024

1:00 PM – 2:00 PM **Session 8: MPN AYA**

**Moderator:** *Nicole Kucine, MD, MS*

1:00 PM – 1:20 PM **Special Populations in MPN: Pediatric /AYA MPN from Pediatric Perspective**

*Nicole Kucine, MD, MS*

1:20 PM – 1:40 PM **MPN, Fertility, and Pregnancy: Clinical Approaches and Considerations**

*Gaby Hobbs, MD*

1:40 PM – 2:00 PM **Thrombosis and MPNs: Clinical /Translational Updates**

*Brandi Reeves, MD*

2:00 PM – 2:40 PM **Special Session #3: Regulatory Considerations and Career Perspectives**

2:00 PM – 2:20 PM **Perspectives on Regulatory Considerations: Disease Modification in MPNs and Development of Novel Clinical Endpoints**

*Alison R. Moliterno, MD*

2:20 PM – 2:40 PM **Career Reflections: Journey Through Academic Hematology and the MPNs**

*Jerry Spivak, MD*

2:40 PM – 2:50 PM **WRAP-UP:** *Ruben Mesa, MD & Naveen Pemmaraju, MD*



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## FACULTY

**Ghaith Abu-Zeinah, MD**

**Weill Cornell Medicine, MPN Center**

Assistant Professor of Medicine,  
Division of Hematology and Oncology  
New York, NY

**Joan Beckman, MD, PhD**

**Weill Cornell University of Minnesota**

Lois and Richard King Assistant Professor of Medicine  
Minneapolis, MN

**Rafael Bejar, MD, PhD**

**UC San Diego Health**

Associate Professor,  
Division of Hematology and Oncology  
La Jolla, CA

**Rupali R. Bhave, MD**

**Atrium Health Wake Forest Baptist**

**Comprehensive Cancer Center**

Winston Salem, NC

**Prithviraj Bose, MD**

**University of Texas MD Anderson Cancer Center**

Professor, Department of Leukemia  
New Houston, TX

**Alexander R. Coltoff, MD**

**Medical University of South Carolina**

Assistant Professor  
Charleston, SC

**Shannon Elf, PhD**

**University of Utah Huntsman Cancer Institute**

Associate Professor  
Salt Lake City, Utah

**Angela G. Fleischman, MD, PhD**

**University of California, Irvine**

Associate Professor  
Orange, CA

**Aaron Gerds, MD**

**Cleveland Clinic**

Cleveland, OH

**Jason Gotlib, MD, MS**

**Stanford Cancer Institute**

Professor of Medicine in the Division of Hematology  
Palo Alto, CA

**Michael Grunwald, MD**

**Levine Cancer Institute**

Chief of Leukemia Division, Director of the Transplantation  
and Cellular Therapy Program  
Charlotte, NC

**Vikas Gupta, MD, FRCP, FRCPath**

**Princess Margaret Cancer Centre**

Multidisciplinary Clinical Lead in Leukemia  
Professor and Barbara Baker Chair in Leukemia  
Ontario, Canada

**Gabriela Hobbs, MD**

**Massachusetts General Hospital**

Assistant Professor  
Needham Heights, MA

**Ronald Hoffman, MD**

**Mount Sinai Hospital**

Director, Myeloproliferative Disorders Research Program  
Albert A. and Vera G. List Professor Medicine  
New York, NY

**Tania Jain, MBBS**

**Johns Hopkins University**

**Sidney Kimmel Comprehensive Cancer Center**

Associate Professor  
Baltimore, MD

**Jean-Jacques Kiladjian, MD, PhD**

**Saint-Louis Hospital, Paris Diderot University**

Professor of Clinical Pharmacology  
Paris, France

**Rami Komrokji, MD**

**Moffitt Cancer Center**

Senior Member & Professor of Oncologic Services,  
Section Head - Leukemia & MDS,  
Vice Chair Malignant Hematology Department  
Tampa, FL

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## FACULTY

### **Nicole Elena Kucine, MD, MS**

**Weill Cornell Medicine**

Director, Pediatric Myeloproliferative Neoplasm Program,  
Associate Professor of Clinical Pediatrics  
New York, NY

### **Andrew Kuykendall, MD**

**H. Lee Moffitt Cancer Center and Research Institute**

Associate Member Department of Malignant Hematology,  
Assistant Professor Department of Oncologic Sciences  
Tampa, FL

### **Ross Levine, MD**

**Memorial Sloan Kettering Cancer Center,**

**Weill Cornell Medical College**

Senior Vice President, Weill Cornell Medical College  
New York, NY

### **Lucia Masarova, MD**

**UT Health MD Anderson Cancer Center**

Assistant Professor  
Houston, TX

### **John O. Mascarenhas, MD**

**Icahn School of Medicine at Mount Sinai**

Director, Center of Excellence in Blood Cancers  
and Myeloid Disorders  
New York, NY

### **Julia Maxson, PhD**

**Oregon Health & Science University**

**Knight Cancer Institute, School of Medicine**

Associate Professor  
Portland, OR

### **Simon Mendez-Ferrer, PhD**

**Cambridge Stem Cell Institute,**

**Jeffrey Cheah Biomedical Centre**

**University of Cambridge**

Associate Professor  
Cambridge, United Kingdom

### **Ruben Mesa, MD**

**Atrium Health Wake Forest Baptist**

**Comprehensive Cancer Center**

Executive Director,  
Comprehensive Cancer Center

### **Laura C. Michaelis, MD**

**Medical College of Wisconsin**

Chief, Professor  
Milwaukee, WI

### **Alison R. Moliterno, MD**

**Center for Drug Evaluation and Research, Office of New  
Drugs, US Food and Drug Administration, FDA**

Medical Officer  
White Oak, MD

### **Jyoti Nangalia, PhD**

**Wellcome-MRC Cambridge Stem Cell Institute, Wellcome  
Sanger Institute**

Principal Investigator  
Cambridge, United Kingdom

### **Zohra Nooruddin, MD**

**The University of Texas Health Science Center San Antonio,  
Mays Cancer Center**

Associate Professor in the Division of Hematology-Oncology  
San Antonio, TX

### **Stephen T. Oh, MD, PhD**

**Washington University School of Medicine**

Associate Professor of Medicine  
St. Louis, MO

### **Jeanne M. Palmer, MD**

**Mayo Clinic**

Consultant  
Scottsdale, AZ

### **Anand A. Patel, MD**

**University of Chicago**

Assistant Professor of Medicine  
Chicago, IL

### **Ami B. Patel, MD**

**University of Utah, Huntsman Cancer Institute**

Assistant Professor, Division of Hematology and  
Hematologic Malignancies  
Salt Lake City, UT

### **Mrinal S. Patnaik, MD, MBBS**

**Mayo Clinic**

Chair, Acute Leukemia and Chronic Myeloid  
Neoplasms Disease-Oriented Group  
Rochester, MN

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**Naveen Pemmaraju, MD**

**UT MD Anderson Cancer Center**

Associate Professor, Department of Leukemia  
Bellaire, TX

**Kristin M. Petit, MD**

**University of Michigan Health**

Clinical Associate Professor  
Ann Arbor, MI

**Uday R. Popat, MD**

**MD Anderson Cancer Center**

Professor  
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**Josef T. Prchal, MD**

**University of Utah and Huntsman Cancer Center**

Professor  
Salt Lake City, UT

**Raajit K. Rampal, MD, PhD**

**Memorial Sloan Kettering Cancer Center**

Director, Center for Hematologic Malignancies  
and Myeloproliferative Neoplasms Program  
New York, NY

**Brandi Reeves, MD**

**University of North Carolina at Chapel Hill**

Assistant Professor of Medicine  
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**Lindsay Rein, MD**

**Duke University**

Associate Professor of Medicine  
Hillsborough, NC

**Linda M. Smith-Resar, MD**

**Johns Hopkins University School of Medicine**

Professor, Division of Hematology  
Stevenson, MD

**Joseph M. Scandura, MD, PhD**

**Weill Cornell Medicine**

Professor of Medicine  
New York, NY

**Richard T. Silver, MD**

**Weill Cornell Medicine, MPN Center**

Professor Emeritus  
New York, NY

**Radek C. Skoda, MD**

**University of Basel, The University Hospital Basel**

Professor of Molecular Medicine in the Department  
of Biomedicine  
Basel, Switzerland

**Jerry Spivak, MD, MACP**

**Johns Hopkins University School of Medicine**

Emeritus Professor of Medicine  
Washington, DC

**David P. Steensma, MD, FACP**

**Ajax Therapeutics**

Chief Medical Officer  
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**Srinivas Tantravahi, MBBS, MRCP(UK)**

**Huntsman Cancer Institute, University of Utah**

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**Jeffrey W. Tyner, PhD**

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**Kapila Vigas**

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Professor  
Leawood, KS