

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

Follow this link to register and pay online:

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



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August 23 – 25, 2024

OMNI Grove Park Inn, Asheville, NC



Course Directors

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

Naveen Pemmaraju, MD | *MD Anderson Cancer Center*



Co-Course Directors

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

Alexander R. Coltoff, MD | *MUSC Health*

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

Bradi Reeves, MD | *UNC School of Medicine*

Lindsay Rein, MD | *Duke Health*

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AGENDA

Friday, August 23, 2024

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|---------------------|--|
| 8:00 AM – 9:00 AM | BREAKFAST & VISIT EXHIBITS |
| 9:00 AM – 9:05 AM | OPENING REMARKS - Ruben Mesa, MD & Naveen Pemmaraju, MD |
| 9:05 AM – 10:30 AM | Special Session #1: JAK2 and CALR: Past, Present, and Future Directions |
| 9:05 AM – 9:35 AM | Keynote #1: Targeting JAK2: From Wildtype to More Specific Approaches <i>Ross L. Levine, MD</i> |
| 9:35 AM – 10:05 AM | Keynote #2: CALR: Marking 10 Years from Discovery to Mutant-Specific Targeting <i>Jyoti Nangalia, PhD</i> |
| 10:05 AM – 10:30 AM | Panel discussion: Targeting JAK2 and CALR Moderators: Ruben Mesa, MD & Naveen Pemmaraju, MD All speakers above |
| 10:30 AM – 12:15 PM | Session #1: Inflammation, CHIP, and Disease Pathobiology in MPNs: Current and Future Directions |
| 10:30 AM – 10:45 AM | CHIP: Current and Future Directions <i>David P. Steensma, MD, FACP</i> |
| 10:45 AM – 11:00 AM | Inflammation, Dietary Factors, and the MPN Microenvironment <i>Angela G. Fleischman, MD</i> |
| 11:00 AM – 11:15 AM | Targeting Stem Cells in the MPNs <i>Ronald Hoffman, MD</i> |
| 11:15 AM - 11:30 AM | Molecular Risk Factors for Progression in MPNs <i>Rafael Bejar, MD, PhD</i> |
| 11:30 AM – 11:45 AM | Leveraging Signaling Networks for the Identification of Novel Targets in MPNs <i>Stephen T. Oh, MD, PhD</i> |
| 11:45 AM – 12:00 PM | Inflammation and the MPNs: Reflections on COVID19 and MPNs: Lessons Learned <i>Laura C. Michaelis, MD</i> |
| 12:00 PM – 12:15 PM | Panel Discussion: Inflammation and Disease Pathobiology in MPNs: Relevance and Therapeutic Implications Moderators: Angela G. Fleischman, MD & Stephen Oh, MD All speakers above |
| 12:15 PM – 1:00 PM | LUNCH & VISIT EXHIBITS |

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|-------------------|---|
| 1:00 PM – 3:15 PM | Session #2: Focus on Translational Aspects of MPNs: The MPN-RF Spotlight Session |
| 1:00 PM – 1:15 PM | HMG1 and 2 in MPN: Biomarkers for Disease Progression <i>Linda M. Smith-Resar, MD</i> |
| 1:15 PM – 1:30 PM | Different Niches for Stem Cells with the Same Oncogenic <i>Simon Mendez-Ferrer, PhD</i> |
| 1:30 PM – 1:45 PM | Novel Biomarkers in MPN <i>Vikas Gupta, MD, FRCP, FRCPath</i> |
| 1:45 PM – 2:00 PM | Dissecting the Pathophysiological Role of GLUT1 in Driving Type 1 CALR-Mutated Myeloproliferative Neoplasms <i>Shannon Elf, PhD</i> |
| 2:00 PM – 2:15 PM | The Role of Iron Deficiency, Inflammation & HIF in Thromboses of Polycythemia Vera and Essential Thrombocythemia <i>Josef T. Prchal, MD</i> |
| 2:15 PM – 2:30 PM | Role of Gas6-Axl-MERTK in Myeloproliferative Neoplasm Thrombosis <i>Joan Beckman, MD, PhD</i> |
| 2:30 PM – 2:45 PM | Mirabegron Study in MPNs <i>Radek C. Skoda, MD</i> |
| 2:45 PM – 3:00 PM | Overview of Stem Cell Niche <i>Joseph M. Scandura, MD</i> |
| 3:00 PM – 3:15 PM | Panel Discussion Moderators: <i>Linda M. Smith-Resar, MD & Kapila Vigas</i> All speakers above |
| 3:15 PM – 4:30 PM | Special Session #2: Interferons in MPN: What is Old is New Again |
| 3:15 PM – 3:30 PM | Interferon in Polycythemia Vera: Long Term Experience from a Single Center <i>Richard T. Silver, MD</i> |
| 3:30 PM – 3:45 PM | Updates on Ropeginterferon <i>Ghaith Abu-Zeinah, MD</i> |
| 3:45 PM – 4:00 PM | RUXOPEG: Combining JAKi and IFN <i>Jean-Jacques Kiladjian, MD, PhD</i> |
| 4:00 PM – 4:30 PM | Panel Discussion: Interferon, Molecular Response and Best Use Practices All speakers above |
| 4:30 PM | CLOSING COMMENTS - <i>Ruben Mesa, MD & Naveen Pemmaraju, MD</i> |
| 4:30 PM – 6:30 PM | BREAK & NETWORKING |
| 6:30 PM – 7:00 PM | DINNER & COCKTAIL HOUR |

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Saturday, August 24, 2024

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

8:55 AM – 9:00 AM **OPENING REMARKS**

9:00 AM – 10:30 AM **Session # 3: ET, PV, and Special Topics in MPNs**

9:00 AM – 9:15 AM **Essential Thrombocytosis in 2023: Updates**

Rupali R. Bhave, MD

9:15 AM – 9:30 AM **PV: Newer Options: From Ruxo to Ropeg to Rusfertide and Beyond**

Lindsay A.M. Rein, MD

9:30 AM – 9:45 AM **What Have Our Insights From Our Long Term MPN Registry Studies Taught Us**

Mike Grunwald, MD

9:45 AM – 10:00 AM **MPN Genomics: Focus on TP53 in MPNs -> Past, Present, and Future**

Raajit K. Rampal, MD, PhD

10:00 AM – 10:15 AM **Management of Patients with MPN in Transformation to AP/BP**

Anand A. Patel, MD

10:15 AM – 10:30 AM **Panel Discussion: Interferon**

Moderators: *Raajit K. Rampal, MD, PhD & Rupali R. Bhave, MD*

All speakers above

10:30 AM – 12:30 PM **Session #4: Myelofibrosis: Updates on JAK inhibitors, Past, Present, and Future**

10:30 AM – 10:45 AM **Prefibrotic MF: Special Considerations for a New Entity**

Privthiraj Bose, MD

10:45 AM – 11:00 AM **Anemia in MF: An Emerging Area for Therapeutic Development**

Ruben Mesa, MD

11:00 AM – 11:15 AM **Ruxolitinib in 2024 and Beyond: The Good, The Suboptimal, and the Failure**

Aaron Gerds, MD

11:15 AM - 11:30 AM **Fedratinib in 2024 and Beyond: 2nd JAK Inhibitor Approved in MF**

Alexander R. Coltoff, MD

11:30 AM – 11:45 AM **Pacritinib in 2024: 3rd JAK Inhibitor Approved in MF**

John O. Mascarenhas, MD

11:45 AM – 12:00 PM **Momelotinib in 2024: Updates and Future in MF**

Andrew Kuykendall, MD

12:00 PM – 12:30 PM **Panel Discussion: JAKi in 2024 and Beyond**

Moderator: *Ruben Mesa, MD*

All speakers above

12:30 PM – 1:30 PM **LUNCH & VISIT EXHIBITS**

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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**

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Sunday, August 25, 2024

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| 8:00 AM – 8:55 AM | BREAKFAST & VISIT EXHIBITS |
| 8:55 AM – 9:00 AM | OPENING REMARKS: <i>Ruben Mesa, MD & Naveen Pemmaraju, MD</i> |
| 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 <i>Jeanne M. Palmer, MD</i> |
| 9:15 AM – 9:30 AM | Building a SCT program for MPNs: Special Considerations and Challenges <i>Zohra Nooruddin, MD</i> |
| 9:30 AM – 9:45 AM | Conditioning Regimen Optimization in SCT for MPNs <i>Uday R. Popat, MD</i> |
| 9:45 AM – 10:00 AM | Future Directions post-SCT : Potential Applications for CAR-T and Immunotherapy in MPNs <i>Tania Jain, MBBS</i> |
| 10:00 AM – 10:15 AM | Panel Discussion: Stem Cell Transplantation in MPNs Moderators: <i>Jeanne M. Palmer, MD & Zohra Nooruddin, MD</i> 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 <i>Mrinal S. Patnaik, MD</i> |
| 10:30 AM – 10:45 AM | Systemic Mastocytosis: Evolution of the Field of SM <i>Jason Gotlib, MD</i> |
| 10:45 AM – 11:00 AM | Blastic Plasmacytoid Dendritic Cell Neoplasm (BPDCN) <i>Naveen Pemmaraju, MD</i> |
| 11:00 AM – 11:15 AM | MDS/MPN Syndromes and Atypical CML: Novel Directions <i>Julia Maxson, PhD</i> |
| 11:15 AM - 11:30 AM | Novel Targets in CNL and Molecular Insights <i>Jeffrey W. Tyner, PhD</i> |
| 11:30 AM – 11:45 AM | Jak2 ex13inDel CEL and Polycythemia Vera: Identification of a Novel Syndrome <i>Ami B. Patel, MD</i> |
| 11:45 AM – 12:00 PM | Panel Discussion Moderators: <i>Jason Gotlib, MD</i> All speakers above |
| 12:00 PM – 1:00 PM | LUNCH & VISIT EXHIBITS |

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| 1:00 PM – 2:00 PM | Session 8: MPN AYA <i>Moderator: Nicole Kucine, MD, MS</i> |
| 1:00 PM – 1:20 PM | Special Populations in MPN: Pediatric /AYA MPN from Pediatric Perspective <i>Nicole Kucine, MD, MS</i> |
| 1:20 PM – 1:40 PM | MPN, Fertility, and Pregnancy: Clinical Approaches and Considerations <i>Gaby Hobbs, MD</i> |
| 1:40 PM - 2:00 PM | Thrombosis and MPNs: Clinical /Translational Updates <i>Brandi Reeves, MD</i> |
| 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 <i>Alison R. Moliterno, MD</i> |
| 2:20 PM – 2:40 PM | Career Reflections: Journey Through Academic Hematology and the MPNs <i>Jerry Spivak, MD</i> |
| 2:40 PM – 2:50 PM | WRAP-UP: Ruben Mesa, MD & Naveen Pemmaraju, MD |