

# Myeloid Malignancies Precision Medicine Initiative

## NCI National Clinical Trials Network

NCI MDS Symposium

June 12, 2019

Rich Little  
DCTD/NCI

# MMPMI: Aims

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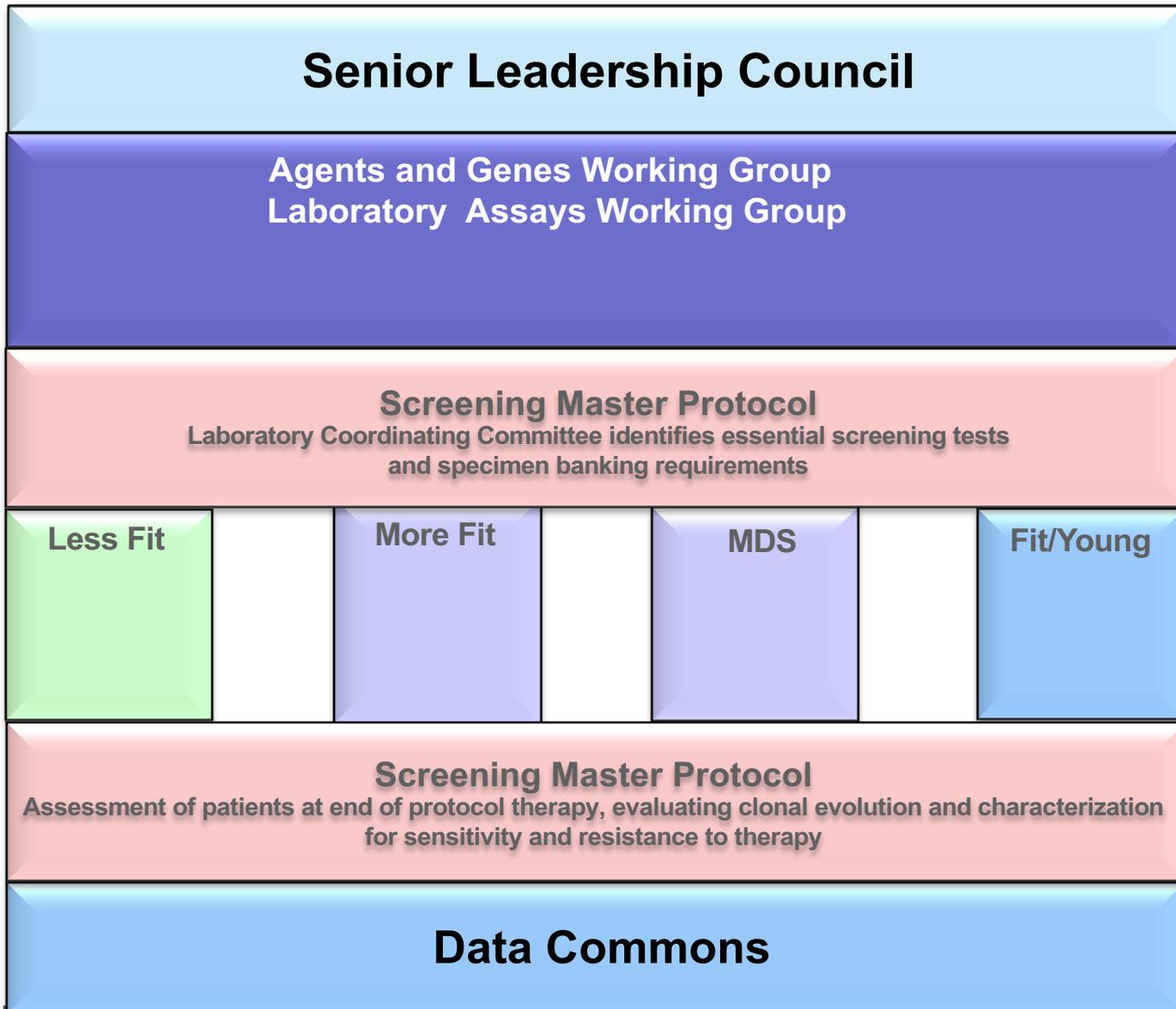
- Advance therapeutics and improve the health outcomes of Americans with myeloid malignancies through a new collaborative precision medicine model
- Characterization of leukemia biology at the time of relapse, long term remission and refractoriness.
  - Describe and exploit clonal selection related to therapeutic sensitivity and resistance
- Development of a data commons for the longitudinal collection of data on patients through their entire treatment course.

# MMPMI: Aims

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- Create a clinical trials portfolio and operational model attractive to industry partners and NCTN sites
- Development of an IND structure and CRADAs for the regulatory management of this initiative.
- Develop the careers of young investigators by promoting leadership throughout the clinical trial portfolio and laboratory program.

# Myeloid Malignancies PMI Structure



# Clinical Baskets Working Group

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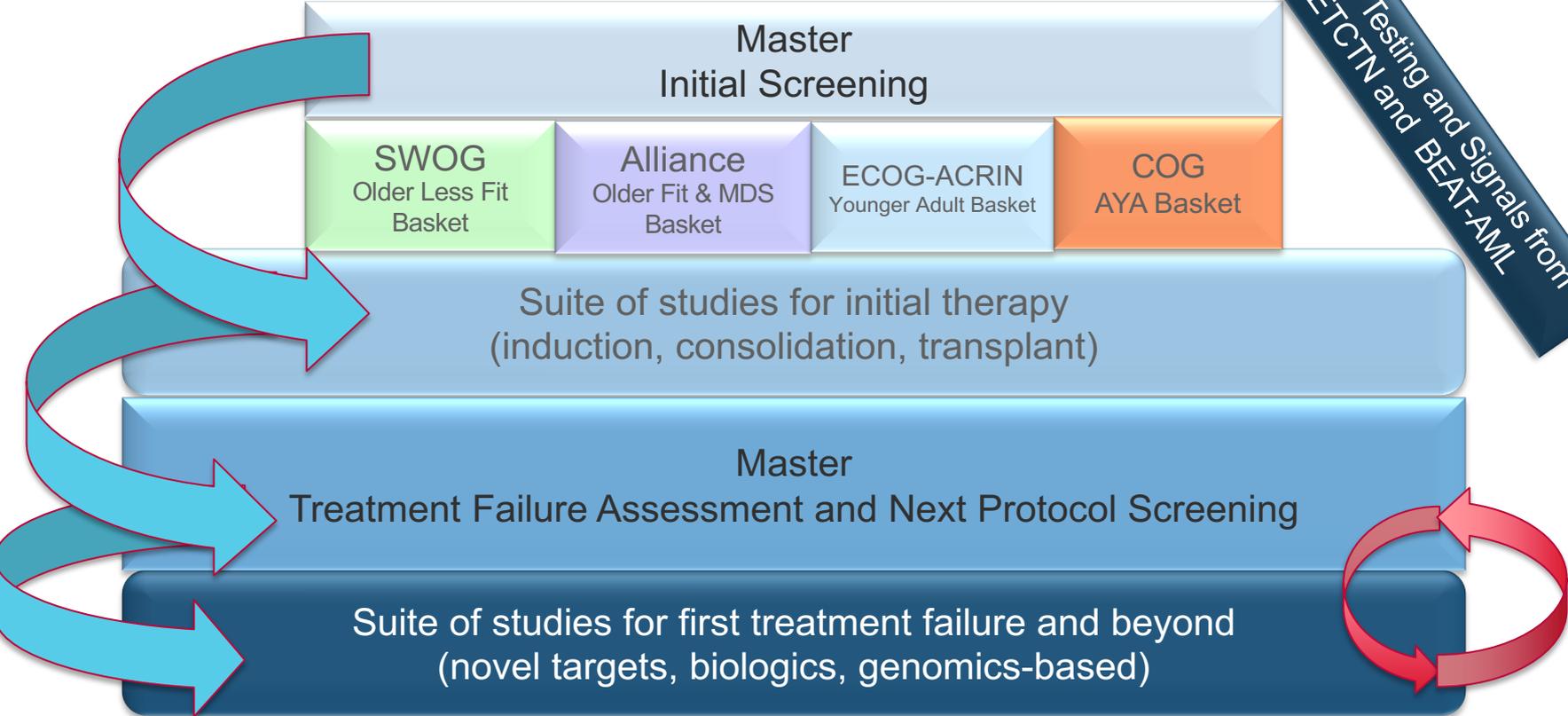
- Chairs of Clinical Working Groups:
  - Older Less Fit Working Group- Laura Michaels (SWOG)
  - Older More Fit Working Group- Geoff Uy (Alliance)
  - MDS Working Group- Olatoyosi Odenike (Alliance)
  - AML & AYA Working Group- Ehab Atallah (EA)
- Chairs are responsible for the organization of committees
- Recording meeting minutes
- Informing the Senior Leadership Council of progress in developing specific clinical trials
- These activities are supported by the coordinating group for each basket

# MDS Working Group Members

- Alliance:
  - Pankaj Gupta
  - Coleman Lindsley
  - Toyosi Odenike
  - Vivien Yin
  - Rich Stone
- Canada Clinical Trials Group
  - Rena Buckstein
- ECOG
  - Amer Zeidan
  - Steve Gore
- SWOG
  - Hetty Carraway
  - Guillermo Garcia-Manero
  - Rami Komrokji
  - Mikkael Sekeres

# Future Vision

Early Testing and Signals from  
ETCTN and BEAT-AML



A national resource of annotated specimens and bioinformatics to facilitate understanding treatment failure and overcoming resistance to therapy

# Precision Medicine Analysis and Coordination Center

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- Working with NCI Center for Bioinformatics and Information Technology to develop an IT infrastructure that will store, retrieve and interpret data across protocols and groups.
- Establish and maintain a controlled-access website for the Network to provide information about the resources available within the Network.
- Develop a web resource for rapid data exchange and electronic communication across the Network.

# Acknowledgments

- Alliance
  - Rich Stone
  - John Byrd
- SWOG
  - Harry Erba
  - Jerry Radich
- ECOG ACRIN
  - Mark Litzow
  - Selina Luger
- COG
  - Anders Kolb
  - Soheil Meshinchi
  - Todd Cooper
- BMT CTN
  - Fred Appelbaum
- CCTG
  - Lois Shepherd
  - Sarit Assouline
  - Lynn Savoie
- NHLBI
  - Chris Hourigan
- NCI
  - Jim Doroshow
  - Meg Mooney
  - Percy Ivy
  - Kathy Worthington
  - Boris Freidlin
  - Lyndsay Harris
  - Mickey Williams
  - Chris Karlovich
  - Bhanu Ramineni
  - Sherry Ansher
  - Jianqiao Zhang