**INNOVATION & DEVELOPMENT**

**NEW INVENTION DISCLOSURES**: 20

**PATENTS AWARDED**: 6

**CATALYST TEAM: NEW FACES & ROLES**
- Sardar Ansari, PhD, Research Fellow
- Abdelrahman Awad, MD, Clinical Research Coordinator
- Erin Bisco, Clinical Research Coordinator
- Brandon Cummings, Machine Learning Specialist
- Nicholas Greer, Research Technician
- Justin Jones, Clinical Research Unit Manager
- Jon Motyka, Data Engineer
- Kate Murphy, Graphic Designer
- Nick Sautter, Clinical Subjects Coordinator
- Guan Wang, Lead Application Programmer

**PICTURE** predictive analytic, developed by the MCIRCC Data Science Team, debuts in the Michigan Medicine Physical Medicine and Rehabilitation Department. Highly successful proof of concept testing led to a clinical trial scheduled for 2020.

**CATALYST CORE**

**CLINICAL RESEARCH**
- Saw up to **89%** patient enrollment

**DATA SCIENCE TEAM**
- Captured more than **25 TB** of waveform data

**PROPOSAL DEVELOPMENT**
- Submitted more than **$59M** in full proposals

**PRE-CLINICAL CRITICAL CARE LAB**
- Managed **8** studies

**MEMBERSHIP**

**206 MEMBERS**
- FROM **43** University of Michigan departments
- 7 schools/colleges

**HONORS & ACHIEVEMENTS**

- **A $90k Propelling Original Data Science (PODS)** grant awarded to MCIRCC researchers from the Michigan Institute for Data Science (MIDAS)
- **M-RISE** receives more than **$3.7 million** through the American Heart Association Strategically Focused Research Network
- AHI backed by **$11.5 million** Series A investment which will allow the team to secure FDA clearance, support clinical studies and enable AHI’s commercial launch
- **MCIRCC website** redesigned to be more user-friendly for members and potential donors
- MCIRCC hosts **6 seminars** in 2019
  - 2 Visiting Scholars.
  - 4 “Reimagining Critical Care” series

**MASSEY TBI PROGRAMS**

**THE DON AND JOYCE MASSEY TBI SUMMIT**
- Featuring keynote speakers David Menon, MD, PhD, FRCP, FRCA, FFICM, FMedSci & Dave Woodruff, Co-Founder and Chairman of the Board of the Bob Woodruff Foundation

**TBI GRAND CHALLENGE “WOLVERINE DEN”**
- AWARDED MORE THAN **$650k** TO 5 WINNING TEAMS

**CONFERENCE ATTENDEES** **114**
**KEY OPINION LEADERS** **9**
**UNIVERSITIES REPRESENTED** **8**

To help us continue saving lives, we established an **EXTERNAL ADVISORY BOARD** comprised of seven leaders from industries including:
- Healthcare & Technology Consultation
- Healthcare Technology & Innovation
- Talent Acquisition
- Non-Profit
- Medical Device
- Venture Funds
- Military