**Division of Clinical Microbiology**
**Mayo Clinic, Rochester, Minnesota, USA**

ESCMID program contacts:
Bobbi S. Pritt, MD, MSc pritt.bobbi@mayo.edu
Robin Patel, MD, patel.robin@mayo.edu (On-site Contact)

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### About Mayo Clinic

- Tertiary care center
- First and largest multidisciplinary, integrated nonprofit medical group practice in the world
- Ranked #1 on the 2015-2018 U.S. News & World Report List of “Best Hospitals” in the USA
- Over $500 million/year spent on research

### About Clinical Microbiology At Mayo Clinic

- Founded in 1911
- Internationally renowned reference and development laboratory that supports the clinical practice at Mayo Clinic
- >3 million laboratory tests performed annually
- **7 Microbiology Specialty Laboratories:**
  - Initial Processing
  - Bacteriology
  - Mycology
  - Mycobacteriology
  - Virology
  - Hepatitis/HIV
  - Parasitology
  - Infectious Diseases Serology
- **Over 250 staff including:**
  - 7 MD/PhD Laboratory Directors
  - 3 Clinical Microbiology Fellows
  - 8 Research/Development Specialists
  - 9 Education Specialists
- **Accreditation:**
  - U.S. Centers for Medicare and Medicaid Services (CLIA)
  - College of American Pathologists
  - New York State Department of Health

- **Notable milestones:**
  - 1952: Developed Inhibitory Mold Agar
  - 1983: Developed Shell Vial Assay for rapid viral detection
  - 1993: Introduced molecular microbiology testing for routine clinical care
  - 2007: Incorporated routine orthopedic implant device sonication for prosthetic joint infection diagnosis
  - 2011: Introduced routine MALDI-TOF mass spectrometry for routine clinical care
  - 2009-2015: Discovered new tick-borne *Ehrlichia* and *Borrelia* human pathogens

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**Who We Are: Laboratory Directors/Faculty/Consultants**

- Robin Patel, MD
  - Division Chair, Bacteriology Co-Director
- Bobbi Pritt, MD
  - Parasitology Director
- Eliza Theel, PhD
  - Infectious Diseases Serology Director
- Joseph Yao, MD
  - Hepatitis/HIV Director
- Nancy Wengenack, PhD
  - Mycology/Mycobacteriology Director
- Matthew Brincker, PhD
  - Virology Director
- Audrey Schuetz, MD
  - Bacteriology Co-Director, Initial Processing Director

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**Education in Clinical Microbiology**

**Opportunities for Observers:**
- Rotation on clinical benches
- Completion of unknown sets and examinations/quizzes
- Exposure to cutting-edge research and new test development

**Rounds and Seminars (selected):**
- Microbiology Teaching Rounds twice/week
- Book Review Sessions thrice/week
- Journal Club once/month
- On-call Conference twice/month
- Infectious Diseases Grand Rounds once/week
- Research and Development Conference once/month
- Infection and Immunity Club several meetings yearly

**Education Programs (selected):**
- Mayo Medical School and Mayo Graduate School
  - Faculty run medical student’s 1st year Microbiology course, teach in graduate school
- Anatomic and Clinical Pathology Residency
- **Clinical Microbiology Fellowships**
  - 1-year fellowship for physicians with a medical degree and acceptable US or Canadian residency training in pathology or fellowship training in infectious diseases
  - Accredited by the American Committee for Graduate Medical Education
  - Graduates eligible for American Board of Pathology certification
  - 2-year fellowship for fellows with a doctoral degree in Microbiology (or related field)
  - Second oldest US training program– highest number of graduates/training program
  - Accredited - American Society for Microbiology
  - Graduates eligible for American Board of Medical Microbiology certification

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