

# UAB



- largest employer in Alabama
- biggest medical center in the Southeast of the US

# UAB

- Research-intensive university and medical center
- International reputation
- **Top 15 percent of U.S. colleges and universities** (*Princeton Review*)
- Over \$400 million annually in external research funding
- UAB School of Medicine is in the **top 20 in funding from the NIH**
- **Top 5 Best Places to Work in Academia** (*The Scientist*, 2010)

# UAB: 1945 to 2009

	<b>1945</b>	<b>1969</b>	<b>2009</b>
<b>Campus Size</b>	4 blocks	15 blocks	86 blocks
<b>Campus Bldgs.</b>	5	56 buildings	250+
<b>Total Square Ft.</b>	not available	1,642,259 s.f.	13,600,000 s.f.
<b>Number of Faculty</b>	58	560	<b>2,045</b>
<b>Employees</b>	not available	4,809 (est. 1970)	18,650
<b>Budget</b>	\$1,600,000.00	\$49,923,129.00	<b>\$2 billion</b>
<b>Grants and Contracts</b>	\$8,900.00	\$18,889,636.00	over \$400 million
<b>Enrollment</b>	74	5,381 students	<b>16,874</b>

# UAB Graduate Biomedical Sciences (GBS) Program

- 450 Graduate Students
- 300 Faculty
- 25 Departments, including
  - Microbiology, Cell Biology, Biochemistry and Molecular Genetics, Genetics, Pathology, Medicine, Pediatrics, Dentistry
- 20 Research Centers, including
  - Aging , AIDS, Arthritis, Biomedical Implant, Cancer, Sickle Cell, Cystic Fibrosis, Gene Therapy, Human Genetics, Multiple Sclerosis, Vision Science
- Specialized Research Facilities, including
  - Molecular Imaging, Laser Capture Microdissection, Microarray, NMR, Electron Microscopy, Proteomics, Flow Cytometry, Transgenic mice, ...
- >20 Training Grants, including
  - Virology, Bacterial Pathogenesis, Immunology, AIDS

# Microbiology at UAB

- 34 primary faculty
- \$16 million in NIH grant support
- > 30 postdocs
- app. 75 graduate students



# UAB Graduate Biomedical Sciences Themes

- Biochemistry and Structural Biology
- Cancer Biology
- Cell, Molecular, and Developmental Biology
- Genetics and Genomic Sciences
- **Microbiology**
- **Immunology**
- Neuroscience
- Pathobiology and Molecular Medicine

# Microbiology Graduate Theme

- Director: Janet Yother
- Co-Directors : Casey Morrow, Michael Niederweis, Peter Prevelige
- 45 Faculty
  - Microbiology, Cell Biology, Biochemistry and Molecular Genetics, Genetics, Pathology, Medicine, Pediatrics, Dentistry
- 60 Students

# Microbiology Graduate Theme

## Areas of Research

- Bacteriology: 12 faculty
- Virology: 21 faculty
- Eukaryotic Genetics and Pathogenesis: 5 faculty
- Immune Interactions: 14 faculty
- Structural Biology: 7 faculty
- Glycobiology: 7 faculty



# Career Development Opportunities

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- Active monthly workshop series
- Career Development Courses
  - Lab Management
  - Grant Writing
- Career Development funding mechanisms
  - Career Enhancement
  - Internship Program
  - Grant Incentives

# 2009 – 2010 Postdoc Workshop Series

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- **K99 Panel Workshop - Sept. '09**
- **OPE Internship Panel Workshop – Oct. '09**
- **Social Networking in Science – Nov. '09**
- **Mentoring Workshop – Dec. '09**
- **How to Give Presentations – Jan. '10**
- **Postdoc Research Day – Feb. '10**
- **Balance in Life and Science Lunch – Mar. '10**
- **Career Planning – Apr. '10**
- **Career Day with Industry Roundtable – Apr. '10**
- **Career Opportunities in Industry – May '10**
- **Town Hall Meeting – May '10**

# The Scientist 2010: 'Best Places to Work/Postdoc'

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- **#1 – Trudeau Institute, Saranac Lake NY**
- **Top 5 Academic Institutions**
  - #7 – Univ. of CO at Boulder
  - #18 – Princeton University
  - #20 – Medical College of Wisconsin
  - #22 – Emory University
  - **#24 – UAB**

# Postdocs by School

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<u>School</u>	<u># of PDs</u>
■ Dentistry	8
■ Engineering	2
■ Health Professions	10
■ Medicine	191
■ Natural Sciences	12
■ Optometry	4
■ Public Health	17
■ Social, Behavioral Sci.	2
Total	<hr/> 246

# Current Postdoc Demographics

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## ■ Citizenship

- US, Permanent Residents 51%
- International 49%

## ■ Gender

- Female 47%
- Male 53%

## ■ Race

- URM 8%