

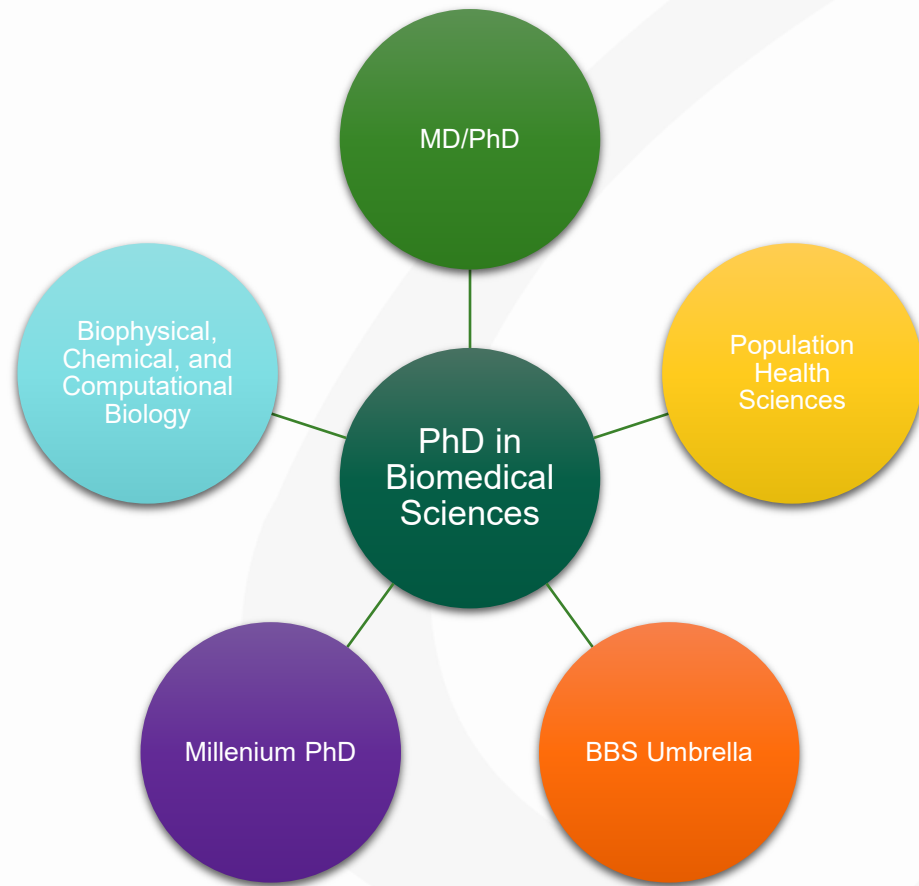
# **A new Graduate Training Program of Study for the PhD in Biomedical Sciences**



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Morningside  
Graduate School of  
Biomedical Sciences

# Morningside GSBS Enrollment Pathways



## RNA Therapeutics and Biology (RTB) Program

Falls under the Basic Biomedical Sciences (BBS) Umbrella Pathway

Common admission and core requirements with other BBS programs

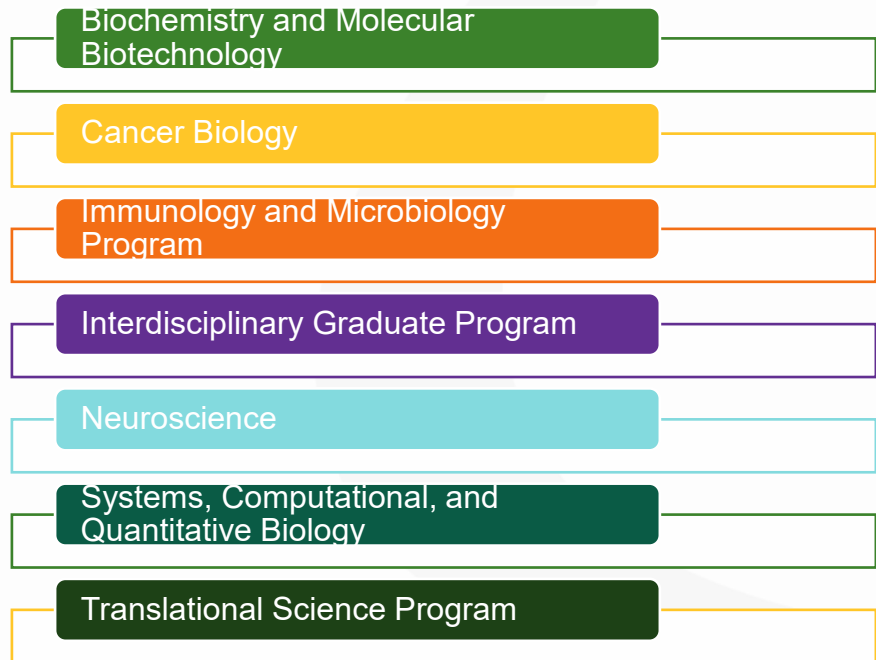
Students formally affiliate with specific BBS programs at the end of Year 1

Curriculum and co-curriculum tailored to objectives

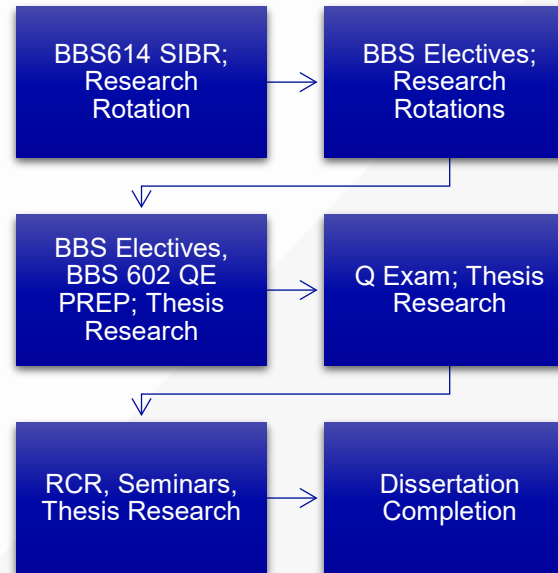
Recognized in governance

# Basic Biomedical Sciences Umbrella Programs

Currently Seven Programs,  
mostly thematic

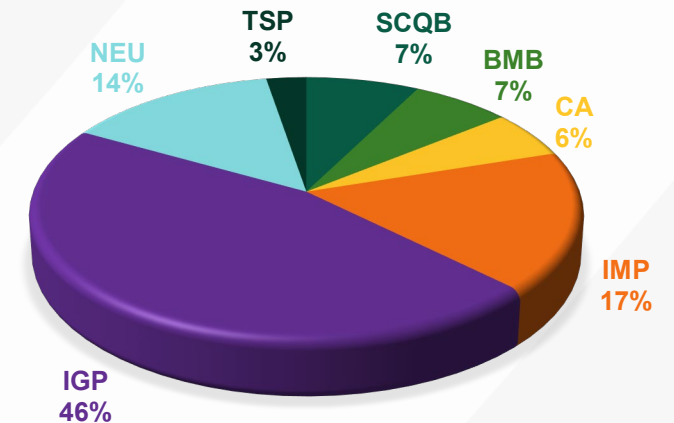


Common requirements &  
timeline, Program electives



Spring Yr 1 BBS Students  
affiliate with one program

UMBRELLA STUDENT PROGRAM DISTRIBUTION



# New BBS Umbrella Program: RNA Biology and Therapeutics (RTB)

RNA Biology is fundamental to life sciences; RNA-based Therapeutics is a fast-growing market

An RNA Biology and Therapeutics Training Program is nearly unique in the US

UMass Chan is a recognized leader in RNA Biology and Therapeutics research

The UMass Chan RTI is an outstanding, committed, in-demand biomedical training ecosystem

- Field-leading faculty
- Highest GSBS student census
- Faculty/staff roles support mentoring, education, career development

Substantial program infrastructure already in existence

## Leadership

- *David Grunwald*
- *Angela MessmerBlust*
- *Phil Zamore*

## Membership

- *RTI Faculty*
- *Others by Approval of RTB Executive Committee*

# Academic and Mentoring Plans

## RTB Academic Plan\*

	Fall	Spring	Summer
Year 1	BBS614 SIBR Research Rotation	BBS718* RNA Biology I Other Elective Rotations	Thesis Research
Year 2	<b>BBS ### RNA Biology II</b> BBS602 QE Prep	Q Exam Thesis Research	Thesis Research
Year 3	RCR, Seminars, Workshops Thesis Research	Thesis Research, Seminars	Thesis Research
Year 4-6	Seminars, Workshops, Research, and Completion		

## Key Features of RTB Mentoring Oversight Plan

Active role in conflict resolution and mitigation of mentor mismatch

Active monitoring TRAC reporting and intervention when progress is unsatisfactory

*Early* intervention to prevent extended time to degree

Department culture of faculty mentoring includes "mentoring the mentors"

# Educational Effectiveness

## Student Success Beyond GSBS Requirements

Students prepare and discuss IDP with TRAC and Advisor annually\*

Students present research progress at RTI Chalk Talk and RNA Therapeutics Symposium Annually

Students present and discuss career planning progress with Career and Professional Development staff

Students attend an international conference and present their work

Students present a manuscript draft before Year Five

## Self-monitored Program Metrics

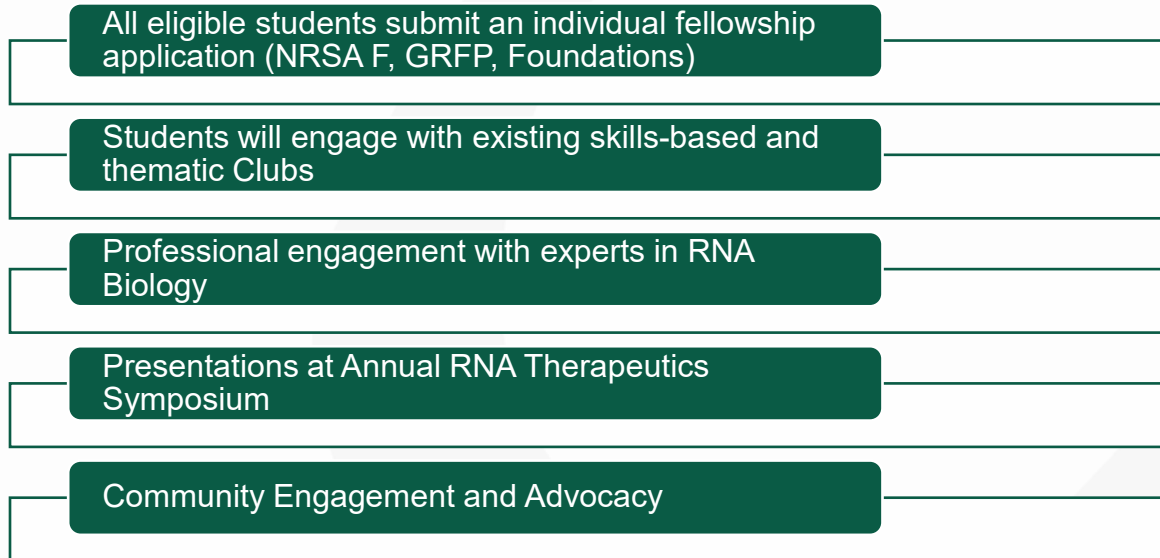
Program Recruitment Targets 

Program leadership participation in recruitment and graduate education-oriented conferences

Advancement to Candidacy rate

Mean, median, and right-tail Time to Degree monitoring

## Co-curricular Competency-based Educational Requirements



## Morningside Graduate School of Biomedical Sciences Process to Date

