



Molecular Medicine Training at NIGMS

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NIGMS Predoctoral Training Program Features

- ~50% of NIH Training Effort
- Multi-disciplinary and multi-departmental
- Typically 5 year awards
- Support for subset of students for 1-3 years
- Support in early years of program
- Diversity Recruitment and Retention Efforts
- Training in Responsible Conduct of Research





One of Six Special Requirements

Describe how the training program provides opportunities for exposure to topics related to human health, physiology, and disease





Current Training Programs (Excluding MSTP)

- 232 programs in 11 training areas
- 2140 trainees
- Training budget flat for over 10 years





New Programs in Last 5 Years

- In all areas, including newly formed Biostatistics and Biobehavioral
- With a few exceptions, new programs are funded by replacing existing grants
- 51 funded; 190 applications; 27% success





History of Molecular Medicine (MM) Programs

- Markey Programs ended in 1997
- 8 MM applications since 1998
- 2 Funded; 2 new programs pending
- Originally under the umbrella of Cellular, Biochemical and Molecular Sciences Training Area
- Now listed as distinct program area





Special Features of MM Programs

- Goal: prepare scientists to work at interface of basic biomedical and clinical research (translational research)
- Training focus on basic biomedical sciences and concepts and knowledge of molecular basis of disease
- Didactic training in areas such as pathophysiology and molecular pathogenesis
- Program activities that provide students with understanding of disease mechanisms, e.g. seminar series, journal clubs, participation in grand rounds, autopsy internships
- Dual basic and clinical science mentors
- Training program intended primarily for Ph.D. candidates





Mechanisms to Support MM Training

- New T32 programs in MM
- Supplements to existing T32 grants for inclusion of MM track





Requirements for New MM Programs

- Must meet overall requirements of NIGMS T32 Programs
- Must be distinct from existing NIGMS training programs at institution
- Must have distinct pool of students
- Must have specialized MM training features



More Information on NIGMS Training Programs

NRSA Institutional Predoctoral Training
Grants Program Description and
Guidelines at:

<http://www.nigms.nih.gov/Training/InstPredoc/PredocTrainingDescription.htm>

