

# Stem Cell Research in New York State: A Snapshot

October 2007

The NYSTEM DOH Scientific Support Group

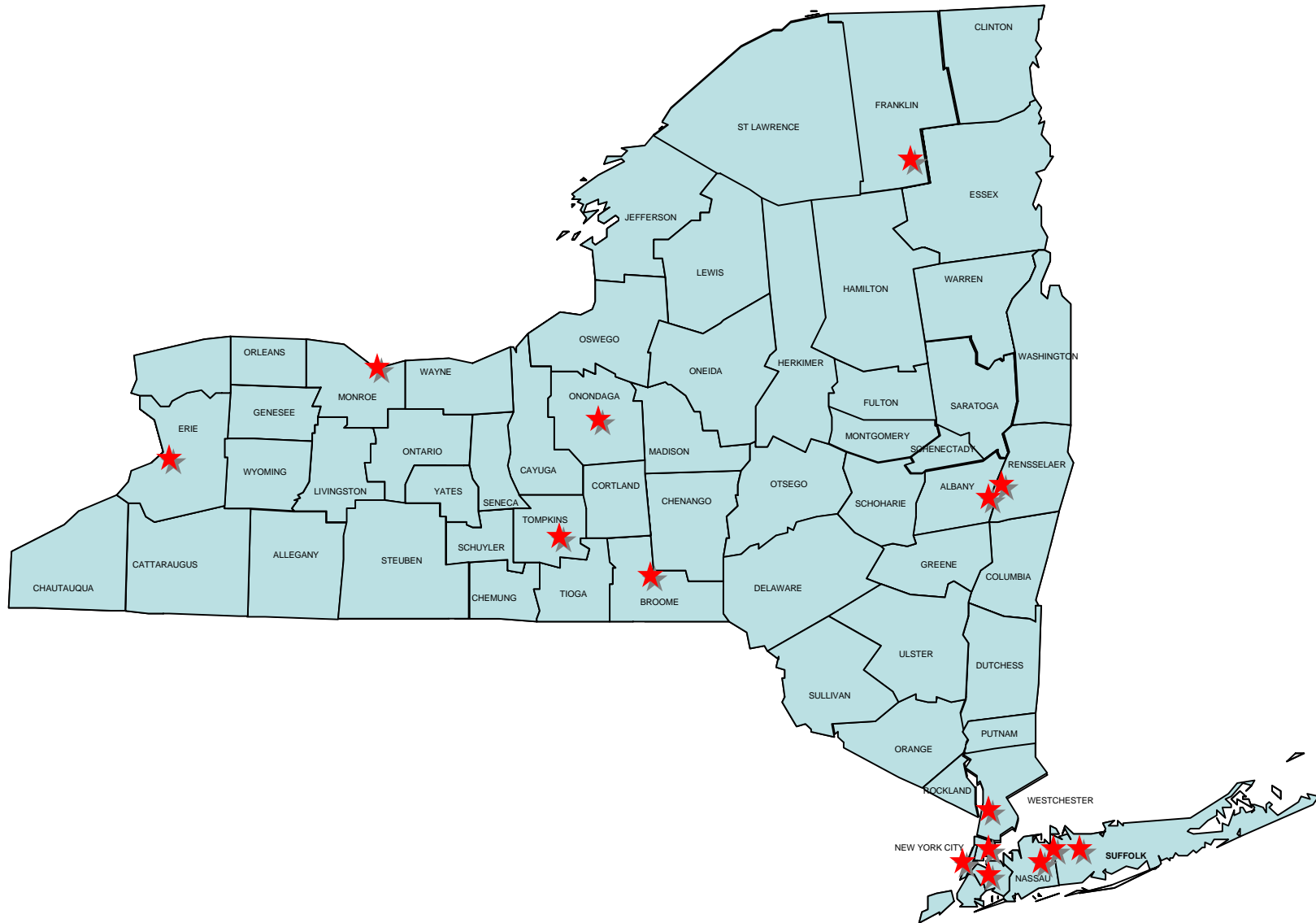
# Objectives

- i. Identify institutions and scientists in NYS with stem cell research programs
- ii. Understand current research portfolio
- iii. Solicit scientists' ideas regarding mechanisms and scope of funding

# Approach

- Contacted 42 institutions
- Sent questionnaire to 23 responding institutions
- Visited 21 institutions
- Interviewed 162 scientists between July and October

# Locations of Institutions Hosting Stem Cell Research



# Findings

- Institutions
- **Scientists**
- Scope and focus of New York stem cell research

## Sources of Funding

	Number of PIs
NIH	69
Other Federal	16
NYS	17
Foundation	40
Industry	10
Other	34

These numbers were derived from 134 respondents who completed this portion of the questionnaire

## Staffing of Stem Cell Research Laboratories

	Number of PIs Reporting	Total Number of Staff
Senior Scientists	52	100
Post-doctoral	88	237
Graduate Students	77	158
Visiting Scientists	24	32
Technical	74	129
Other	26	84
		740

These numbers were derived from the 134 respondents who submitted the questionnaire

## Number of PIs Reporting Collaborations in Stem Cell Research

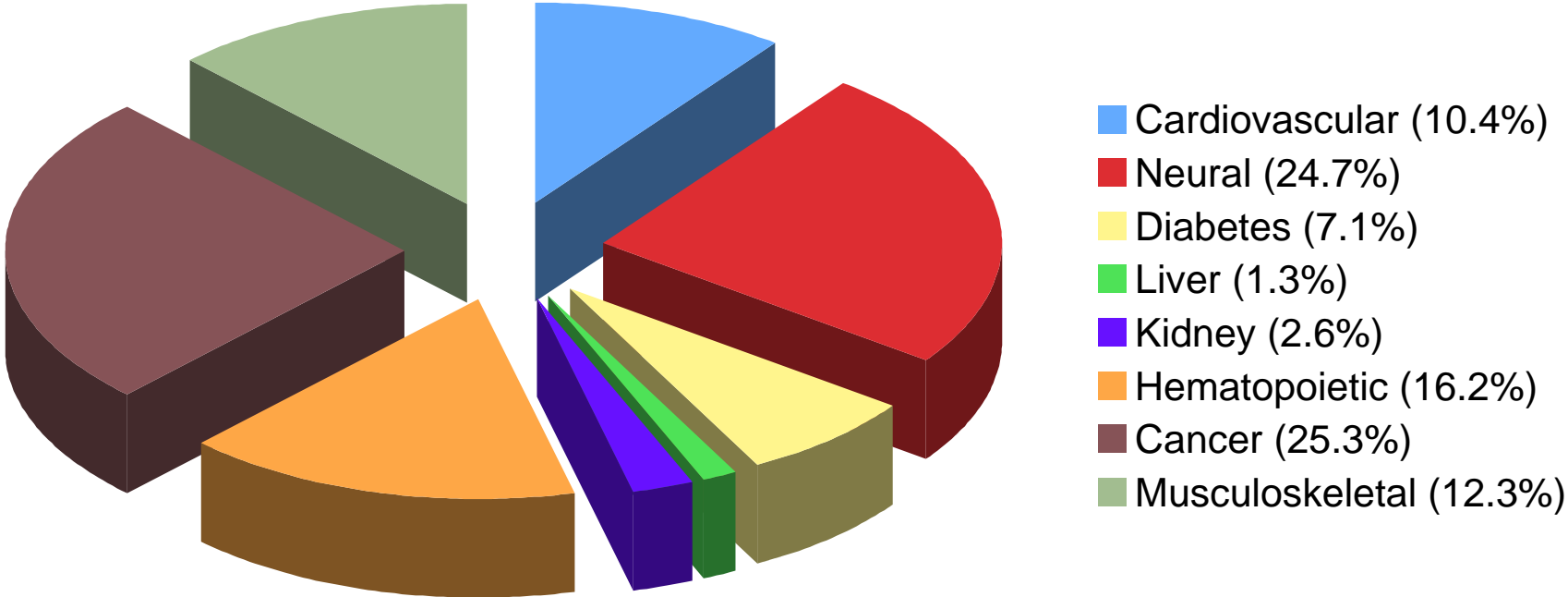
With scientists at home institution	76
With scientists at another institution	73
Did not report collaboration	26

These numbers were derived from the 134 respondents who submitted the questionnaire

# Findings

- Institutions
- Scientists
- Scope and focus of New York stem cell research

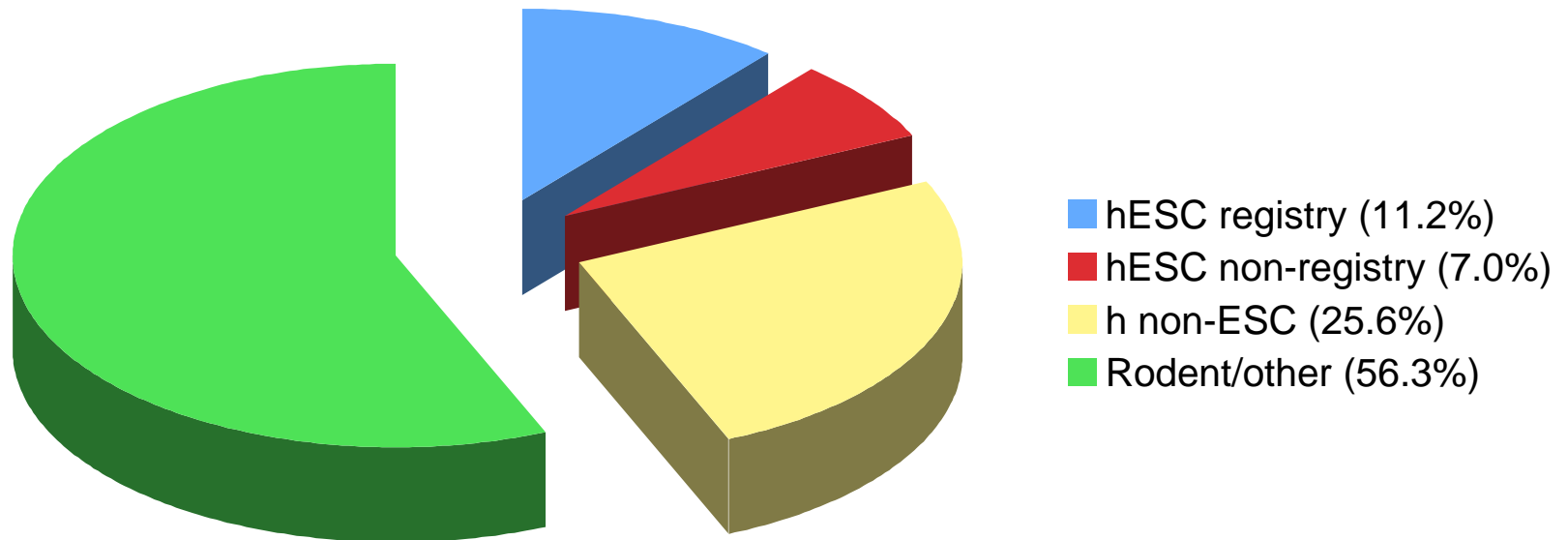
# Disease Focus of NYS Stem Cell Research



# Studies of Basic Stem Cell Biology

- Nearly half of the investigators reported that their research concerned fundamental aspects of stem cell biology
- Consensus that greater understanding of basic stem cell biology is needed

# Stem Cell Sources



# Ideas for Funding Mechanisms

1. Science-driven, peer-reviewed
2. Investigator initiated large grants
3. Innovation funding
4. Build consortia
5. Train NYSTEM fellows
6. Targeted recruitments

# Nature of Activities to be Supported

1. Enhance support for hESC research
2. Other relevant human and models
3. Address gaps in basic stem cell science
4. Promote pre- and early clinical trials
5. Advanced biotechnology cores
6. Conferences and Workshops

# Acknowledgement

We thank all of the institutions and investigators who so graciously hosted us and took the time from their busy routines to provide information and share their views.

<http://stemcell.ny.gov/>