Dr. Gary Michelson, MD
Los Angeles billionaire

supports:
*human heritable disease research
*rain forest preservation
*free electronic access to community college textbooks
***reduction of shelter euthanasia of dogs & cats

Found Animals Foundation
Los Angeles CA - www.foundanimals.org

Established: 2008
Mission: Reduce shelter euthanasia of dogs & cats
Programs: Michelson Prize & Grants
Low cost spay & neuter clinics
Cat adoption center
Adopt & shop store
Microchip registry
Pet adoption & care

The $25 Million
MICHELSION PRIZE IN REPRODUCTIVE BIOLOGY

CRITERIA:
1. Single dose nonsurgical sterilant (injectable preferred)
2. Effective & safe in M & F dogs & cats for 10-20 years
3. Ablates presence or action of sex steroids
4. Reasonable cost ($5? $30?) & manufacturing process
5. Suitable for administration in a field setting (cold chain OK)
6. Reasonable pathway to regulatory approval (FDA-CVM)
The $50 Million MICHELSON GRANTS IN REPRODUCTIVE BIOLOGY

CRITERIA:
1. Competitive research grants toward a nonsurgical sterilant.
2. Suggested limit of $250,000 per year for up to 3 years.
3. Proof of concept studies in vitro, in rodent models, in target species (dogs and cats), in one gender or one species accepted.
4. Research animals must be placed in adoptive homes if terminal studies not essential.

MPG Staff
Katy Palfrey, BA
Program Manager
Michelson Prize & Grants
Shirley Johnston, DVM, PhD
Director, Scientific Research
Michelson Prize & Grants
Kimberly Su, BA
Program Assistant
Michelson Prize & Grants

&
The Scientific Advisory Board (≈18)

Michelson Grants in Reproductive Biology

BY THE NUMBERS

letters of intent received: 234
proposals received: 83
grants approved for funding: 25
(first grant funded in 2009; 2 groups funded for multiple grants)

$ committed: $11,335,065
$ available: $38,664,935
Michelson Grants in Reproductive Biology

**BY THE NUMBERS**

- **TARGET TISSUE**
  - ablating gonadotropin releasing hormone (GnRH) (13)
  - ablating pituitary gonadotrophs (3)
  - ablating primordial stem cells of the gonads (9)

- **APPROACH**
  - gene silencing (4)
  - gene therapy (1)
  - immunocontraception (7)
  - targeted delivery of cytotoxins (13)

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Hypothalamic & Anterior Pituitary Targets for Nonsurgical Sterilization

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Ovarian Targets for Nonsurgical Sterilization

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Testicular Targets for Nonsurgical Sterilization
Kinds of researchers & research we fund:
[Outreach to ~10,000 scientists, 43 meeting booths, 78 ads]

- Neuroscientists:
  - Gene silencing in brain neurons
- Oncologists, Pharmaceutical Chemists:
  - Targeted delivery of cytotoxins to brain, ovaries, testes
- Immunologists:
  - Vaccination against reproductive proteins
- Virologists:
  - Gene therapy
- Molecular Biologists, Reproductive Physiologists:
  - Studies in cell culture, rodents, dogs, cats, one or both sexes

Grantee Institutions

United States:
- Auburn Univ, Auburn AL
- Cornell Univ, Ithaca NY
- Crinetics Pharmaceuticals, La Jolla CA
- Iowa State Univ, Ames IA
- National Jewish Health, Denver CO
- Oregon Primate Ctr, Beaverton OR
- Scripps Research Inst, Jupiter FL
- Univ Arizona, Tucson AZ
- Univ Iowa, Iowa City IA
- Univ Pennsylvania, Philadelphia PA
- Univ Virginia, Charlottesville VA
- Univ Medicine & Dentistry, Piscataway NJ
- Vaxin Pharmaceutical, Birmingham AL
- Wake Forest Univ, Winston-Salem NC
- Yale, New Haven CT

Argentina: University of La Plata
Australia: University of Newcastle, University of Western Australia
Netherlands: University of Utrecht
New Zealand: University of Auckland
Scotland: Univ of Edinburg MRC Center for Reproductive Health

3 Proposal Deadlines Per Year

- **Deadline**
  - Early July
  - Early November
  - Early March
- **Response**
  - November
  - March
  - July

Grant Process Overview

http://michelson.foundanimals.org/