



## New Initiatives in Vector Control at the Bill & Melinda Gates Foundation

Kate Aultman  
Senior Program Officer  
Infectious Diseases

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## Core Values

- ✦ From those to whom much has been given, much is expected
- ✦ All lives - no matter where they are being led - have equal value

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## Bill and Melinda Gates Foundation

- ✦ Annual Report: [www.gatesfoundation.org](http://www.gatesfoundation.org)
- ✦ \$27 billion in net assets (as of end of 2005)
- ✦ Three main subdivisions
  - Global Development: water, agriculture, libraries
  - Global Health: GHA, GHS, GHT, HTR, ID
  - US Programs: Education, Libraries, Pacific Northwest

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## Charitable Purpose: Global Access

- ✦ To make new tools and technologies available to the world's most disadvantaged populations in an appropriate format and a realistic price
- ✦ To develop and disseminate as widely as possible knowledge about diseases and their control

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## General Organization


- ✦ US Programs
  - Education
  - US Libraries
  - Pacific Northwest
- ✦ Global Development
  - Water and Sanitation
  - Agriculture
  - Microfinance
- ✦ Global Health



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## Vector Control Strategy

- ✦ New tools for vector control: \$103 million
- ✦ Better use of vector control for disease control
- ✦ Better stewardship of vector control tools and the environment
- ✦ Easier deployment of new tools



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## Vector Control Strategy

### New tools for vector control

- Grand Challenges in Global Health (2005)
  - Seven individual awards through FNIH
  - Aedes (\$28.6M) and Anopheles (\$25M)
  - Chemical and genetic control
- Innovative Vector Control Consortium (2005, \$50.7M):
  - LSTM, LSHTM, MRC South Africa, Colorado State, UC Davis; with commercial partners
  - New public health pesticide products (PHPPs)
  - New technological tools: PQQ, VPMT, MDSS, DDSS
  - Discovery, Phase 3 and 4 Field trials still under discussion
- Innovative discovery research
- Market Analysis

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## Vector Control Strategy

### Better use of vector control for disease control

- Demonstration Projects
- Modeling
- Improved Monitoring/Evaluation
- Policy Analysis
- Decision support systems
- Supply chain issues
  - Manufacturing capacity
  - Quality control
  - Distribution and transport
  - Counterfeits and generics



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## Vector Control Strategy

### Better stewardship of PHPPs

- Insecticide Resistance
  - Monitoring network
  - Monitoring strategies
  - Mitigation guidelines and workshops
  - Resistance breaking products
  - Implications for control
- Targeting use to minimize exposure



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## Vector Control Strategy

### Easier deployment of new tools

- Coordination and facilitation of regulatory approvals (WHOPES)
  - Strengthened protocols for evaluation
  - Harmonization of country-level requirements
- Working with industry to facilitate access
  - Partnerships of MNCs and national-level partners for manufacturing
  - Pricing schemes
  - Quality control; response to counterfeiting
  - Revolving fund?



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## Vector Control at the Foundation

### Malaria control

- With vaccines, drugs, diagnostics, evaluation, country programs, and advocacy
- Specific projects and contributions to the GFATM
- Scale up for impact: SUFI
- Acting in concert to turn the flywheel – the roles of partners



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## Vector Control at the Foundation

### Kinetoplastid diseases

- HAT, Chagas' Disease
  - Improved drugs, diagnostics, livestock vaccine
  - Tsetse control: improved traps, paratransgenesis? xenodiagnosis?
  - Reduviid control: still in a learning phase
- Leishmaniasis
  - Improved drugs, novel delivery systems
  - Sand fly control: new products & strategies?



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### Flaviviruses

- Dengue: vaccine, diagnostic, better surveillance?; improved control of *Aedes aegypti*
- JE: improved vaccine

## How to Access BMGF Funding

✦ [www.gatesfoundation.org](http://www.gatesfoundation.org)

- Grant Seekers
- Eligibility
- Letter of Inquiry (LOI)

✦ Communicate with program staff

- [Kate.aultman@gatesfoundation.org](mailto:Kate.aultman@gatesfoundation.org)
- [Thomas.brewer@gatesfoundation.org](mailto:Thomas.brewer@gatesfoundation.org)
- [David.Brandling-Bennett@gatesfoundation.org](mailto:David.Brandling-Bennett@gatesfoundation.org)

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