Mapping malaria in support of elimination

- Malaria elimination is a major focus for the new Institute for Global Health
- Mapping malaria:
  - Prevalence of infection with *P. falciparum*, *P. vivax*
  - Prevalence of drug resistant genotypes
  - Parasite migration patterns based on gene flow
  - Parasite population structure
  - Exposure history based on serological surveys
  - “Sources” and “sinks” for malaria transmission
- Gates Foundation grant for malaria elimination in Myanmar
  - 2 years, $4.6M; strong grown potential
  - Provides platform for NIH, NSF, other grants
  - Need both simple maps for health officials and sophisticated research tool including modeling