Introductions and Logistics

Scott Cain
GMOD project coordinator (since 2002)
WormBase Developer (since 2014)
Medina, Ohio
Ontario Institute of Cancer Research
GMOD is ...

A set of interoperable open-source **software** components for visualizing, annotating, and managing biological data.

An active **community** of developers and users asking diverse questions, and facing common challenges, with their biological data.
The State of GMOD

• No bad.
Upcoming Stuff

• PAG January 2017
• GMOD online course Fall 2016?
  • Poll instructors for a suitable week
  • Open applications late summer
• GMOD community meeting: where? when?
Funding continues to be an issue

- For me anyway (Coordination)

- Other projects are well funded:
  - JBrowse (time for a renewal is coming though—I’ll be bugging people for letters of support)
  - Apollo
  - Intermine
  - Tripal
  - MAKER
gmod.org status

- gmod.org is still hosted at OICR, but can be a little flaky.
- So I wrote a little RSS status checker
- Probably port to an AWS reserved instance in the near future
GMOD Software

- Configurability and extensibility are central goals of GMOD.
  - GMOD tools are built to be reused
- Emphasize local installs
- Not a hosted solution
- Not monolithic.
  - Most components can stand alone
  - Allows organizations to start slowly
Chado

• Very good at genomic data
• Widely used
  • AphidBase, BeetleBase, dictyBase, FlyBase, SGN, SpBase, VectorBase, wFleaBase, …
• Integrates with other GMOD tools
• Community of support
• Modular, flexible and extensible
• Version 1.31 released earlier this year; roadmap for future developments
Despite my best efforts

GBrowse continues to be widely used

But JBrowse is gaining steam like crazy.

(don’t believe me: compare traffic on the mailing lists)
On tap for today

• Project updates from Galaxy, JBrowse, Apollo, Tripal
• About the Tripal Expression module
• GMOD in action from DictyBase, Legume Federation Project
• About the EvidentialGene project
• More from me: Intermine and MAKER updates, and an intro to uMOD (ie, the Alliance of Genome Resources)
For tomorrow

• “Lightning” talks (typically, lightning talks are fast —here, not so much). Please think about giving a talk; as a community, it is useful to hear about what other people are doing

• Thanks Asela!

• Tripal workshop
Acknowledgements

• Dave Clements, without whose kicking of my butt meetings would never happen.

• Robert Ping and the rest of the IU conference center.

• All of you for being here!