

**John Kenneth Colbourne***Indiana University*

Preservation, expansion and invention of crustacean genes with reference to insect genomes

**Christine G. Elsik***Georgetown University*

Unusual base composition of the honey bee genome

**Sarjeet S. Gill***University of California, Riverside*

Mosquito midgut interactions with bacterial toxins

**Catherine A. Hill***Purdue University*

Tick genome organization and evolution

**Thomas Kaufman***Indiana University*

The latest news from CNN: What the 12 sequenced *Drosophila* genomes have told us about rapidly evolving genes and positive selection

**J. Robert Manak***University of Iowa*

Empirical annotation of arthropod genomes using tiled genomic microarrays

**Subbaratnam Muthukrishnan***Kansas State University*

Functional genomics of insect chitin metabolism

**Hugh M. Robertson***University of Illinois at Urbana-Champaign*

What we've learned about the insect chemoreceptors from arthropod genome projects

**Bruce R. Schatz***University of Illinois at Urbana-Champaign*

BeeSpace: Interactive functional analysis of arthropod genomic data

**Jeff Stuart***Purdue University*

Avirulence, sex determination, and a physical map of the Hessian fly genome

**Judy Willis***University of Georgia*

Insect cuticular proteins: Annotation, proteomics, expression, evolution

**Evgeny Zdobnov***University of Geneva Medical School, Switzerland*

A comparative perspective on insect genomes

# New Insights From Arthropod Genomes

SECOND ANNUAL

**Arthropod Genomics**

SYMPOSIUM

April 11-13, 2008

Kansas City

Position yourself at the forefront of insights in genomic approaches to arthropods and learn about the development of tools for genomic analysis.

**Thursday, April 10**

Pre-symposium workshop on community contributions to genome annotation and use of the Apollo Genome Annotation Curation Tool by Dr. Chris Elsik (BeeBase).

**Friday, April 11**

Symposium sessions followed by an evening workshop on Chado databases and integration with other GMOD tools by Dave Clements (NESCent) and Scott Cain (CSHL).

**Saturday, April 12**

Symposium sessions followed by an evening of Kansas City Jazz and BBQ in the historic 18th and Vine district.

**Sunday, April 13**

Participate in a roundtable discussion led by members of the ArthropodBase Consortium regarding the generation of integrated arthropod genome databases, tools for genome analysis, and community curation.

**WHO SHOULD ATTEND**

The conference is designed for scientists interested in genomic studies of Arthropods, both model organisms and those of agricultural or health relevance. Postdoctoral, graduate and undergraduate students are also encouraged to attend.

**INDIVIDUAL TRAINING**

Arthropod genome database and bioinformatics tool developers will be available for individual training on Apollo and database use as well as the automated literature annotation system developed by Bruce Schatz and colleagues.

**POSTERS**

Posters should be related to studies of Arthropods using genomic approaches. Follow the guidelines at [www.k-state.edu/agc/AbstractGuidelines.htm](http://www.k-state.edu/agc/AbstractGuidelines.htm). Limited to the first 150 abstracts received before Friday, February 29. A few platform presentations will be chosen from submitted poster abstracts.

**REGISTRATION** includes a welcome reception Thursday evening, breakfast and lunch on Friday and Saturday.

**Register by Fri., Feb. 29, 2008** \$275 (\$150 for graduate and undergraduate students).

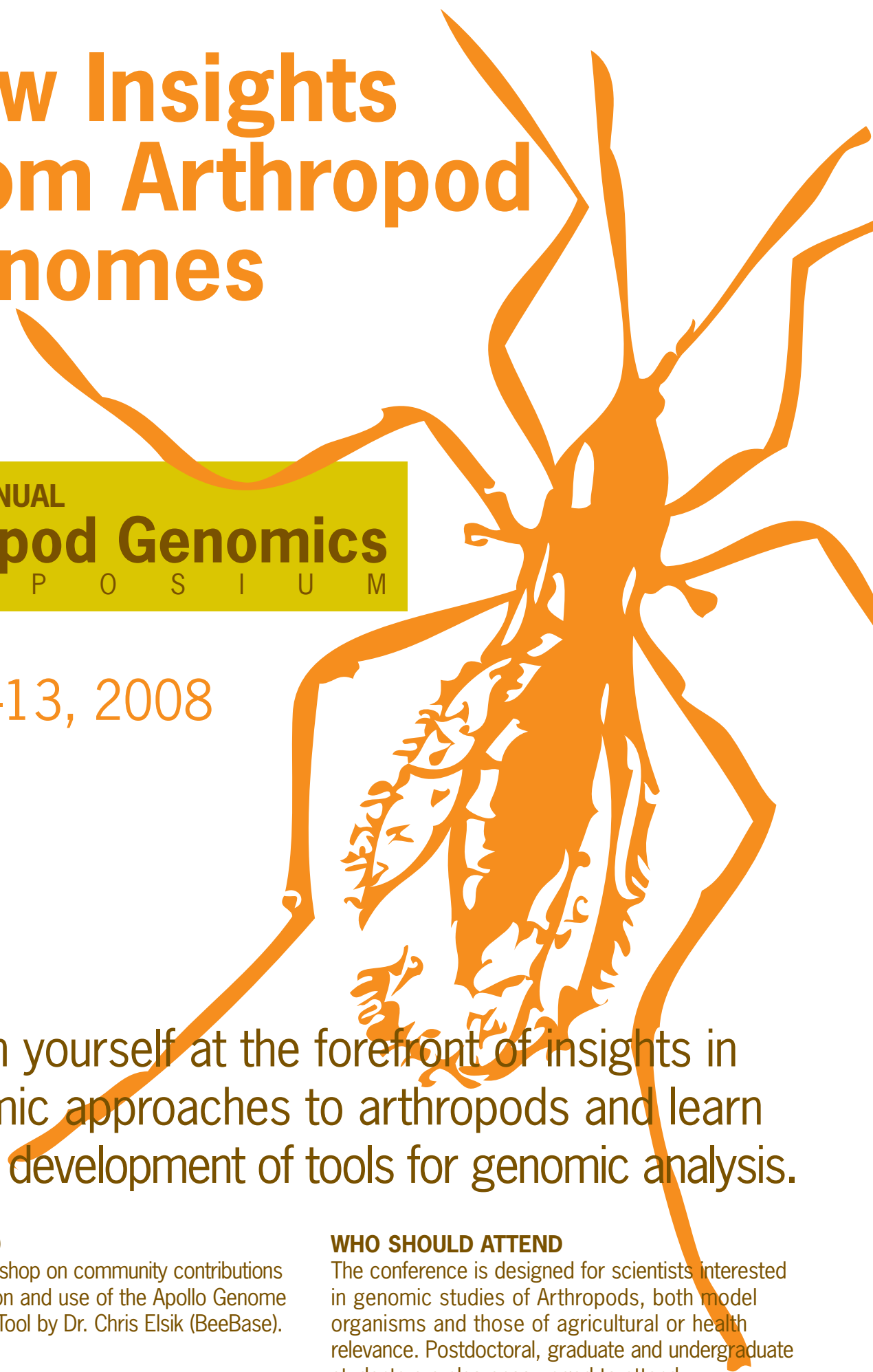
Optional: Apollo Workshop Thursday, \$25. Saturday evening dinner, \$50 (\$40 for students).

**Late Registration** \$325 (\$200 for students).

Conference Details and Registration at

[www.k-state.edu/agc/symposium.shtml](http://www.k-state.edu/agc/symposium.shtml)

Symposium funding provided by the Center for Genomic Studies on Arthropods Affecting Human, Animal and Plant Health with support from Targeted Excellence at Kansas State University.



**HOTEL**

The symposium sessions will be held in the historic Muehlebach Hotel (operated by Marriott) in downtown Kansas City. Known as "Kansas City's Hotel of Presidents," every president from Woodrow Wilson through Ronald Reagan stayed in the Presidential Suite. Among its other celebrity guests were Babe Ruth, the Beatles, and Elvis Presley.

The Marriott has reserved a block of rooms for symposium participants at the low rate of \$129 per night. After 3/20/08, reservations will be accepted at the hotel's prevailing rate (up to \$225). The on-site parking fee is \$13 daily. Call 1-800-228-9290 before March 20 or book online by accessing the "Hotel" link [www.k-state.edu/agc/symposium.shtml](http://www.k-state.edu/agc/symposium.shtml). Please use the group code, "AGSAGSA," to obtain the group discount at the Marriott Downtown, 200 West 12th Street, Kansas City, MO 64105.

**SATURDAY NIGHT JAZZ AND KANSAS CITY BARBEQUE**

Re-live the birth and evolution of jazz while dining on Kansas City barbeque in the Mutual Musicians Building in the historic 18th and Vine area. The separate charge for this optional activity is \$50 (\$40 for students).

**WORKSHOP - THURSDAY EVENING, APRIL 10**

Community Contributions to Genome Annotation. Christine Elisk, Georgetown University, will provide training on the Apollo Genome Annotation Curation Tool (described in Lewis et al. 2002 Genome Biology 3:RESEARCH0082). Elisk is a member of six genome sequencing consortia (honey bee, sea urchin, bovine, wasp, body louse, beetle) and two microarray consortia (bovine and pig). The Elisk lab had a prominent role in the honey bee genome project including development of the consensus predicted gene set, GC content analysis, repeat analysis, microRNA prediction, superscaffold sequence assembly, and organization of gene annotation data. Workshop participants will learn how to install and configure the Apollo Annotation Editor on their own laptop, access sequence and gene evidence data by connecting to the genome database server, and annotate protein coding gene models. Cost to attend the optional workshop is \$25. Seating is limited to the first 40 registrants.

**WORKSHOP - FRIDAY EVENING, APRIL 11**

Chado databases and integration with GMOD tools. Dave Clements, National Evolutionary Synthesis Center, and Scott Cain, Cold Springs Harbor Laboratory, will provide training on Chado database design, data loading and exporting, and integration with other GMOD tools such as Apollo and GBrowse. There is no cost to attend this optional workshop, but registration is requested.

**TRANSPORTATION**

**Air:** Kansas City International Airport (MCI) is approx. 30 minutes from the conference site.  
**Ground:** KC Transportation Group, [www.kctg.com](http://www.kctg.com), offers options such as SuperShuttle Shared-Ride Service, 1-800-258-3826, ~\$30 round trip; or Taxi, ~\$55 one-way. Group Code: QUY7Z.

**SPECIAL ASSISTANCE**

A participant in a conference or non-credit program with a disability who needs accommodations or has special dietary requirements should indicate services needed at the time of registration. If you have further questions please contact Heide McBride at 785-532-2549 or [hmcbride@k-state.edu](mailto:hmcbride@k-state.edu). Early notification is requested to ensure that accommodations can be provided in a timely manner.

**NOTICE OF NONDISCRIMINATION**

Kansas State University is committed to nondiscrimination on the basis of race, sex, national origin, disability, religion, age, sexual orientation, or other nonmerit reasons, in admissions, educational programs or activities and employment (including employment of disabled veterans and veterans of the Vietnam Era), as required by applicable laws and regulations. Responsibility for coordination of compliance efforts and receipt of inquiries concerning Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, and the Americans With Disabilities Act of 1990, has been delegated to Clyde Howard, Director of Affirmative Action, Kansas State University, 214 Anderson Hall, Manhattan, KS 66506-0124, (Phone) 785-532-6220; (TTY) 785-532-4807.

More Details and Registration at  
[www.k-state.edu/agc/symposium.shtml](http://www.k-state.edu/agc/symposium.shtml)

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 Early Registration: February 29, 2008  
 Poster Abstracts: February 29, 2008  
 Hotel Reservations: March 20, 2008

Conference Details and Registration at  
[www.k-state.edu/agc/symposium.shtml](http://www.k-state.edu/agc/symposium.shtml)



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