ISMB 2016 Applied Knowledge Exchange Session (AKES) Proposal

(maximum 4 pages)

**Title:** (please provide a short informative title here of max. 20 words - the title must be attractive and should make a reader curious.)

**Topic Area:** Pick a topic area broadly attractive to ISMB attendees. The following are some AKES topic ideas and a list of AKES presented in 2015 is available [here](https://www.iscb.org/ismbeccb2015-program/ismbeccb2015-akes).

* Unsolved problems: Debate on the future hot areas for bioinformatics
* Powerful features in the UCSC Genome Browser
* Practical exercises in GATK
* Improving genomic assembly with PacBio
* Assembly of genomes in metagenomics
* Translational informatics: Opportunities for bioinformatics in the clinical realm
* Galaxy: Toolshed development
* Other: please provide details

**500-word abstract:** Please provide a brief explanatory abstract including the goal of the session. This will be used for advertising your session so please make it clear and appealing to potential attendees

**Agenda of Session [Required]:**

* Half-day AKES: 4hrs including a 30min break
* Full-day AKES: 8hrs including two 30min breaks and 1hr lunch
* Complete an agenda for your session indicating the timing for each talk/activity/exercise/discussion and including time for the required coffee breaks

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| --- | --- | --- |
| **Timing** | **Presenter** | **Topic Area/Activity Description** |
| 10min | Name of speaker, affiliation | Please describe each agenda time slot: 1) What style of presentation; and 2) What will be achieved/learned/presented or discussed |
| 30min | Name of speaker, affiliation | Examples of 1) * Introduction to speakers/overview
* Lecture
* Hands-on exercise using laptop
* QA forum with presenter
* Demonstration
* Other presentation styles
* Etc.

Examples of 2) * Students will complete a follow-along exercise to learn…
* Lecture will outline the current problems in assembly and….
* Etc.
 |
| 30min | Coffee Break (10:15-10:45am and/or 3:30-4:00pm) |
| Etc. | Etc. | Etc. |

**AKES Outline:**

* Provide details on each of the sections of the AKES session. The outline should be a table of contents of the session, with a few keywords for each section.
* This information will be used by the committee for reviewing the suitability of the proposal.

**Session level:** Broad Interest/Introductory Skill/Advanced Skill

**Requirements:** State clearly what prior knowledge you expect your participants to have, such as “an introductory knowledge of statistics” or “suitable for those already working with expression data”.

Please also indicate whether the session will include a practical component so that participants can be informed that they are required to bring their own laptops for the session.

**Profile of Organizer:**

* 2-3 sentences or bullet points.
* Prior teaching, workshop, tutorial/workshop experience.
* It should be clear from this text that you are the right person to lead this session.

**Profile of Organizer #2 (optiona):**

* 2-3 sentences or bullet points.
* Prior teaching, workshop, tutorial/workshop experience.
* It should be clear from this text that you are the right person to give this session.

**First Presenter:**

* Title (Mr/Ms/Dr/Prof/other)
* Full name
* Affiliation
* Email address
* Home page URL
* Teaching experience as related to session topic – 2-3 sentences

**Second Presenter:**

* Title (Mr/Ms/Dr/Prof/other)
* Full name
* Affiliation
* Email address
* Home page URL
* Teaching experience as related to session topic – 2-3 sentences

**Other contributors to the presentation (optional; max. 3 names):**

**Suitability of this session for ISMB:**

Please provide a brief statement here as to why you think this session will fit the multi-disciplinary ISMB audience, emphasizing:

* Timeliness
* Audience – who will benefit from this session? Students? Researchers?
* Cutting-edge science
* Methodologies applied to a large number of bioinformatics problems.
* Up to a total of 4 sessions will be selected for presentation at ISMB 2016

**Submitting your proposal:**

Please save the template file using the last name of the first presenter. Eg: if the first presenter is John Doe, then save to “**doe.pdf**” and submit the file via the submissions website at: https://www.iscb.org/submissions/index.php?id=211