



H3ABioNet

Pan African Bioinformatics Network for H3Africa

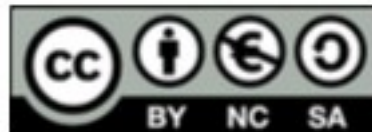
Introduction to Bioinformatics course: IBT

Introduction Part 6 Vula forums vs. Vula chatroom



H3ABioNet


Pan African Bioinformatics Network for H3Africa



Introduction to Bioinformatics online course : IBT
Verena Ras

Forums vs. Chatroom





View Site As: Sites Verena

Overview

Announcements

Calendar

Course Outline

Resources

Polls

Forums

Q&A

Messages

Chat Room

Assignments

Tests & Quizzes

Gradebook


Section Info

OVERVIEW

IBT_2018

Edit
Share
?

Site Information Display



H3ABioNet

Pan African Bioinformatics Network for H3Africa

Welcome to H3ABioNet IBT_2018 course!

This course is an introduction to the field of bioinformatics. It combines theoretical and practical sessions to allow participants to gain practical experience with important bioinformatic tools and resources.

If you would like to officially pass the course and obtain a letter of completion, you must:

- Attend all contact sessions (in cases where it is impossible to do so you must inform the TAs for your classroom).
- Submit 90% of practical assignments by the relevant hand-in dates (one practical assignment per contact session for Module 1-6, excluding consolidation sessions).
- Submit assessments by the relevant hand-in dates and obtain a minimum grade of 60% overall for the assessments (one assessment per Module).

Recent Announcements

Options

Announcements

(viewing announcements from the last 10 days)

There are currently no announcements at this location.

Calendar

Options Publish (private)


September 2018

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Today

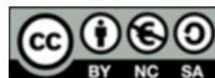
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Mon	Tue	Wed	Thu	Fri	Sat	Sun
27	28	29	30	31	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30



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Introduction to Bioinformatics online course: IBT
Introduction | Verena Ras

Forums vs. Chatroom




Forums

- Asking questions that you would like to easily find the answer to later
- Questions and answers or discussions that you think others would benefit from

Chatroom

- for 'chat' J




Module 2: Genomics [New Topic](#) | [Forum Settings](#) | [More](#) ▾

-  [session 1](#) 0 unread of 0 messages [Topic Settings](#) | [More](#) ▾
-  [session 2](#) 7 unread of 30 messages [Topic Settings](#) | [More](#) ▾
-  [Session 3](#) 10 unread of 10 messages [Topic Settings](#) | [More](#) ▾
-  [Session 4](#) 18 unread of 21 messages [Topic Settings](#) | [More](#) ▾



Module 3: Linux [New Topic](#) | [Forum Settings](#) | [More](#) ▾

-  [session 1](#) 0 unread of 2 messages [Topic Settings](#) | [More](#) ▾
-  [Session 2](#) 0 unread of 1 message [Topic Settings](#) | [More](#) ▾
-  [Session 3](#) 0 unread of 11 messages [Topic Settings](#) | [More](#) ▾

Module 4: Sequence Alignment Theory and Application [New Topic](#) | [Forum Settings](#) | [More](#) ▾


-  [session 1](#) 5 unread of 26 messages [Topic Settings](#) | [More](#) ▾
-  [session 2](#) 5 unread of 9 messages [Topic Settings](#) | [More](#) ▾
-  [Session 3](#) 5 unread of 7 messages [Topic Settings](#) | [More](#) ▾

Module 5: Multiple Sequence Alignment [New Topic](#) | [Forum Settings](#) | [More](#) ▾

-  [Session 1](#) 7 unread of 10 messages [Topic Settings](#) | [More](#) ▾
-  [Session 2](#) 0 unread of 3 messages [Topic Settings](#) | [More](#) ▾



Forums

[START A NEW CONVERSATION](#)
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[Forums](#) / **Module 2: Genomics / Session 3**

[< Previous Topic](#)
[Next Topic >](#)


Session 3

Move Thread(s)

	Conversation	From	Date
<input type="checkbox"/>	New! Assignment 1 unread of 1 message	Morenikeji Aina	11 Aug 2016 10:42 AM
<input type="checkbox"/>	New! Orthotology and Parology 3 unread of 3 messages	mazdar sofia	07 Aug 2016 11:23 AM
<input type="checkbox"/>	New! Task 4 1 unread of 1 message	Saba Zouari	08 Aug 2016 1:10 AM
<input type="checkbox"/>	New! Session 3 1 unread of 1 message	Mouna Amrou M'hand	07 Aug 2016 9:08 PM
<input type="checkbox"/>	New! Questions from chat 1 unread of 1 message	Rehab Ahmed	06 Aug 2016 10:56 AM
<input type="checkbox"/>	New! de novo sesequence and assembly 2 unread of 2 messages	mary chege	04 Aug 2016 11:12 AM
<input type="checkbox"/>	New! Module 2: Session 3 1 unread of 1 message	Felistas Mashinya	05 Aug 2016 8:07 PM

[< Previous Topic](#)
[Next Topic >](#)

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[Forums](#) / [Module 2: Genomics](#) / [Session 3](#) / [Orthotology and Parology](#)

View [by Conversation](#)

[< Previous Conversation](#)
[Next Conversation >](#)

[Orthotology and Parology](#)


mazdar sofia (07 Aug 2016 11:23 AM) - Read by: 12

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I need an explanation of Othologs ana parologs genes , what is the diffience between them ?

[Re: Orthotology and Parology](#)


Rehab Ahmed (08 Aug 2016 7:37 PM) - Read by: 9

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Mazdar, let me try to help explain this :)

Orthologous genes are homologous genes that arise as a result of speciation event (vertical descent). For example let's consider a gene and call it A in an organism. During evolution course this organism has split and gave us 2 organisms X and Y. Both of them will have a copy of gene A; Ax and Ay. Ax and Ay should have the same original function though they might have differences in their sequences. Ax could duplicate in the organism X and give Ax and Bx. Ax and Bx are homologous and they would mostly have different functions and we would describe them as paralogous genes.

The attached paper might help you too.

 [Orthologs, Paralogs, and Evolutionary Genomics.pdf](#)

[Re: Orthotology and Parology](#)

mazdar sofia (08 Aug 2016 11:32 PM) - Read by: 8

Chatroom

thanks, Rehab! :)

Meriem FASSATOUI (05-Oct-2016 11:20 SAST) @Dr.Jean i didn't ask about the assignment of today, i asked about the assignment of last week session 2

Jean-Baka Domelevo Entfellner (05-Oct-2016 11:24 SAST) Yes, I figured it out, then the answer posted by Rehab just before you asked your question was relevant to you.

Meriem FASSATOUI (05-Oct-2016 11:26 SAST) thanks for the response

Rehab Ahmed (05-Oct-2016 11:28 SAST) Not at all Jean- Baka and all :). I learn from students' question

Rehab Ahmed (05-Oct-2016 13:16 SAST) Meriem, the matrix is provided for GTR and we also did not find matrix for HKY85

Adil EL HAMOUCI (05-Oct-2016 17:23 SAST) bonjour Jean Baka

can you explain more how we can choose the best method for the construction of phylogenetic tree ...? thank you

Dankwa Bismark (05-Oct-2016 22:44 SAST) my facebook name(Ing Bismark Bombelli)...send a request if you want to stay in touch

Donwilliams Otieno (06-Oct-2016 11:33 SAST) Hi Jean? What are the best bootstrap values to report for academic work? I am currently inferring phylogenies using maximum likelihood methods (PhyML and RAxML programs).

Donwilliams Otieno (06-Oct-2016 11:48 SAST) There is an ongoing debate on the bootstrap values, with some experts saying that values above 50% are good while others have stuck to at least 70%. These, they say, is because of the random nature of the bootstrapping process. I don't know which values to stick to, kindly assist.

Rehab Ahmed (06-Oct-2016 11:52 SAST) Donwilliams, will post your interesting question in Questions and discussion

Rehab Ahmed (06-Oct-2016 11:55 SAST) You did it already :) thank you

Kim Gurwitz (06-Oct-2016 11:57 SAST) Hi All - the practical assignment and dataset for today's session (Module 7 session 4) has been updated - now under the same assignment in 'Assignments'

Kim Gurwitz (06-Oct-2016 11:57 SAST) please make sure that you are working from the correct version

Adil EL HAMOUCI (06-Oct-2016 12:54 SAST) hello jean bakacan you please recommend us a free offline software to do the practical session

Donwilliams Otieno (06-Oct-2016 12:56 SAST) Thanks Rehab

Jean-Baka Domelevo Entfellner (06-Oct-2016 13:04 SAST) Dear Adil, I would recommend PhyML (<http://www.atgc-montpellier.fr/phyml/>) or RAxML (<http://sco.h-its.org/exelixis/software.html>), but RAxML is sometimes too customizable a tool, especially for beginners, although it's arguably the gold standard of ML software currently out there.

Cassandra Soo (06-Oct-2016 14:34 SAST) Hi there, does anyone know how to do Task 3 from yesterday's practical (practical 3)?

Adil EL HAMOUCI (06-Oct-2016 14:57 SAST) big thanks JB

Kafayat Fakoya (07-Oct-2016 06:54 SAST) I submitted my module 7 session 1 assignment exactly 22.59 pm on the 5 th October, 2016 and made a resubmission 01:03 am 6th October withun he stipulated accepted period for resubmission. I was surprised to see late written against this submission. Was there anything I possibly did wrong or did not do as required to make a resubmission ?

Kim Gurwitz (07-Oct-2016 10:19 SAST) Hi Kafayat, I am not sure why Vula marked your resubmitted assignment at late - as you correctly noted, resubmissions are allowed a few hours after the due date and time, just in case there was an error in the uploading. Not to worry though, your assignment submission has been captured. We do not take note of whether assignments are 'late' or not. 'Late' just indicates that the assignment was submitted after the due date and time, within a specified window (we allow a few hours 'grace period' in case participants get confused with the timezone conversions etc). If one tries to submit an assignment after this period, however, one will physically not be able to upload - the system will not allow it.

Ocung Guido (07-Oct-2016 11:01 SAST) Hi Kim. What next, will our vula accounts be pulled down after the IBT 2016 course?

Kim Gurwitz (07-Oct-2016 11:22 SAST) Hi Ocung, We are waiting for a response from the Vula team - I hope that we will be able to keep the site open. Will keep you posted. We will send out a Vula announcement soonest with 'next steps'

Natalie Smyth (07-Oct-2016 14:34 SAST) Hi there, does anyone know how to do Task 3 from yesterday's practical (practical 3)?

Kafayat Fakoya (08-Oct-2016 22:56 SAST) Thanks for the reassurance, Kim.

Next

20 Min. BREAK

THEN

Watch video labeled: Part 7