



# Lecture 1:

## General Introduction

**Course 485**

**Introduction to Genomics**

# AIMS

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- You and I.
- What is the class all about?
  - Class webpage and lectures.
  - Textbook and readings.
  - Attendance.
  - Lecturing style.
  - Exams and questions' style.
  - Grade distribution.
  - Project details.

# Who am I?

- My name is Hasan Alhaddad.
- Ph.D. in Genetics from UC Davis.
- Studied insects and cats and does population and evolutionary genetics for fun.
- I love science and I like to share this love with everybody especially you.



# Where you find me?

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My office is room 101

# When you find me?

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- My office hours: TBA.
- My email is:
  - [hassan.alhaddad@ku.edu.kw](mailto:hassan.alhaddad@ku.edu.kw)
  - [hhalhaddad@gmail.com](mailto:hhalhaddad@gmail.com)
- If you cannot make it to office hours, email me and we can arrange an alternative time.

**Who are you?**

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**State your name**

# Class Material and Announcements

The screenshot shows a web browser displaying the homepage of hagenetics.org. The browser's address bar shows the URL hagenetics.org. The page header includes the text "Hasan Alhaddad Genetics Lab" and a search box. The main content area features the website's name "hagenetics.org" in a large, teal, underlined font. Below this is a line graph showing a mean value (solid black line) and 100 sampling simulations (grey lines). The graph shows an upward trend over time. A navigation menu at the bottom of the page lists: LAB, People, Research, PPPs, Teaching, E.H.R.A.B, and Blog. Below the navigation menu, there is a welcome message: "Welcome to HAGenetics website and lab".

Hasan Alhaddad Genetics Lab

Search

hagenetics.org

— Mean  
— 100 sampling Simulations

LAB People Research PPPs Teaching E.H.R.A.B Blog

Welcome to HAGenetics website and lab

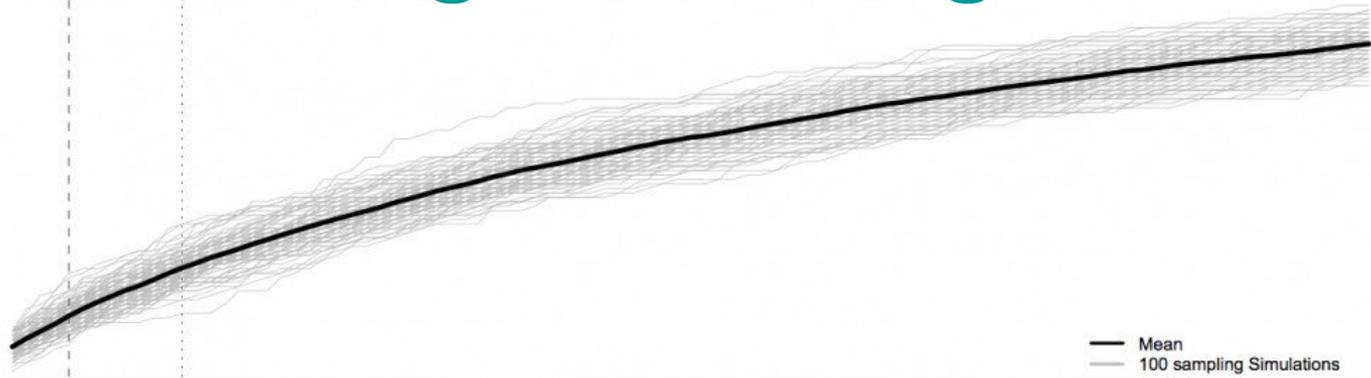
Question: How do we implement student centered ACTIVE learning?  
Please do not  
Please  
First, take notes and come with questions!  
Participants  
Responsibility of BELP: Talk share your



# Class Material and Announcements

Hasan Alhaddad Genetics Lab

# hagenetics.org



- LAB
- People
- Research
- PPPs
- Teaching
- E.H.R.A.B
- Blog

## Welcome to HAGenetics lab

Our goal in HAGenetics is to share our articles in an informal and a fun way. Hopefully, you will find something that inspired.

- Intro. Mol. Bio (281)
- Intro. Mol. Genetics (371)
- Mol. Evolution (410)
- Mol. Forensics (301)
- Human Genetics

Edit with Visual Composer Edit

**Question 6: How do we implement student centered ACTIVE learning?**

Please be sure to:

**Prepare:** Read the video and come with questions!

**Participate:** Responsibility of **HELP**. **TALK** share your thoughts with your colleagues & your discussion leader.

Responsibility to **OTHERS**. Respect ALL, start the assignment or session and leave. **NOALLOTT**

**LISTEN!**

**Engage:**

Learn to ask: How FUN? That's is a worthy goal. Don't worry about getting a "right" or "wrong" the teacher!

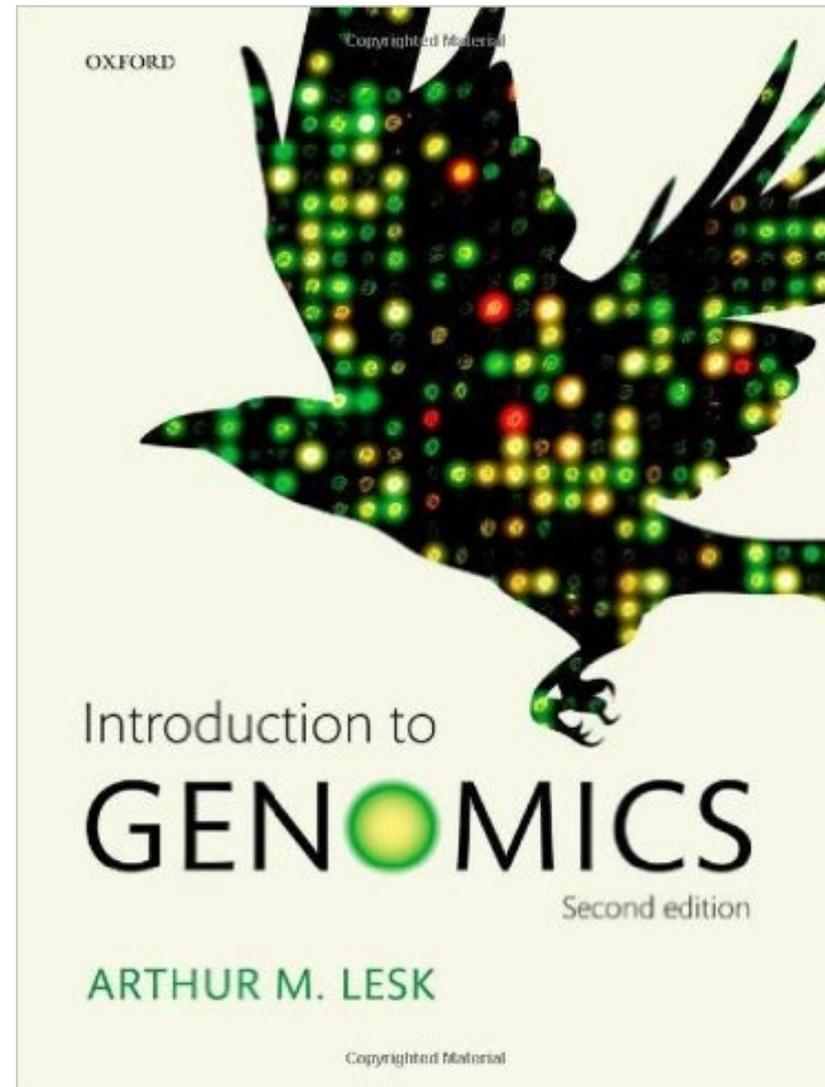
It's about YOUR learning. You'll get there!

#EHRAB\_HA from now on will be student centered. Read carefully it is all for you



# Assigned Textbook

- Buying and reading the book is your responsibility.
- Please **DON'T** ask me if you need the book.



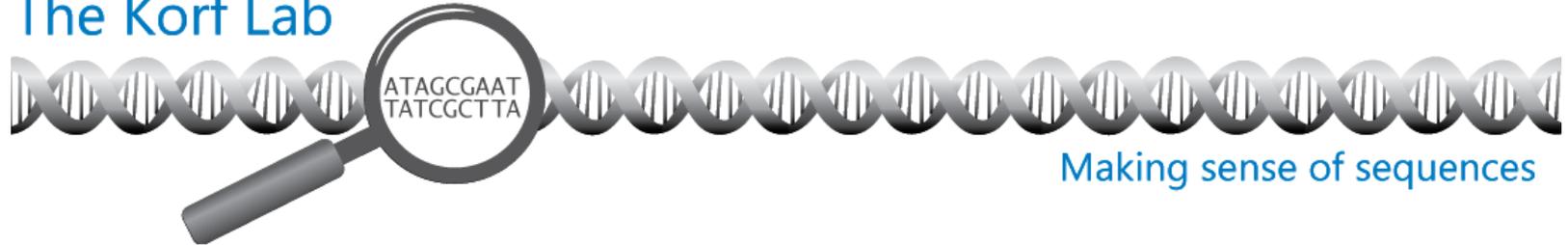
# Resources



I studied genomics at UC Davis and learned a lot from professors there. I will be adopting ideas and materials they provided for their lectures and shared via open sources, personal websites, and by direct contact.

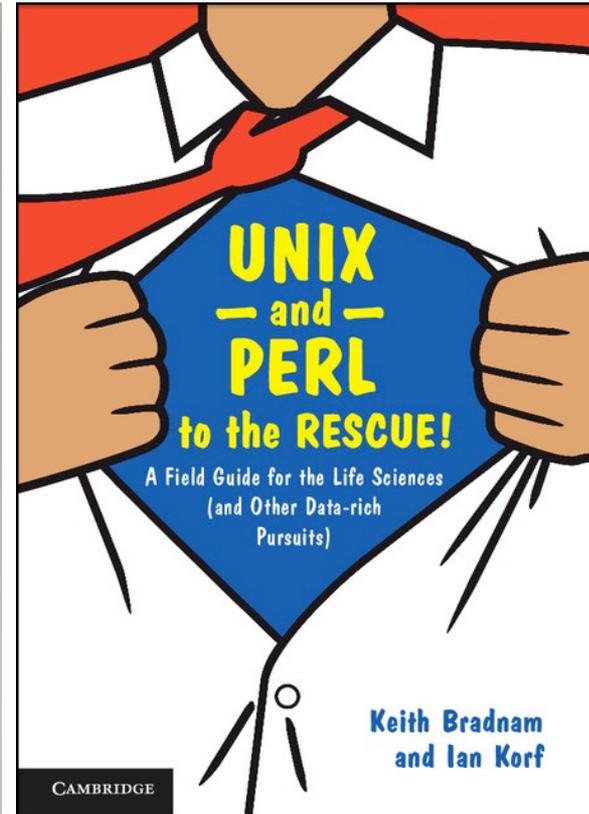
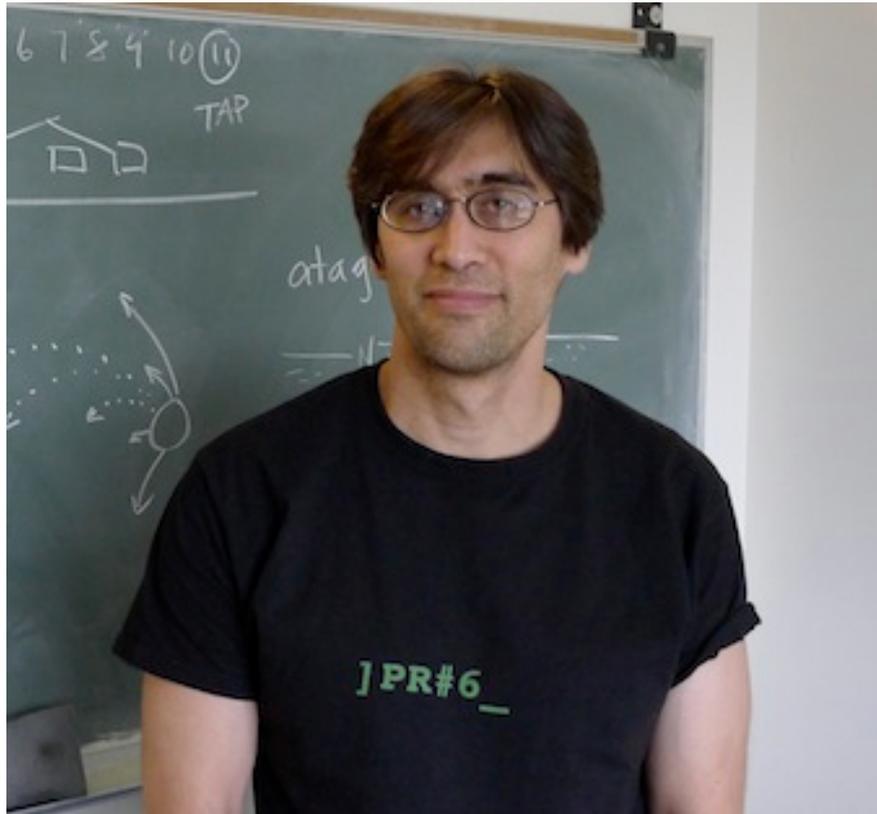
# Dr. Ian Korf

## The Korf Lab



Making sense of sequences

<http://korflab.ucdavis.edu/>



# Dr. Keith Bradnam



**A C G T**



<http://www.acgt.me/>

[http://korflab.ucdavis.edu/Bios/bio\\_keithb.html](http://korflab.ucdavis.edu/Bios/bio_keithb.html)

Twitter: @kbadnam

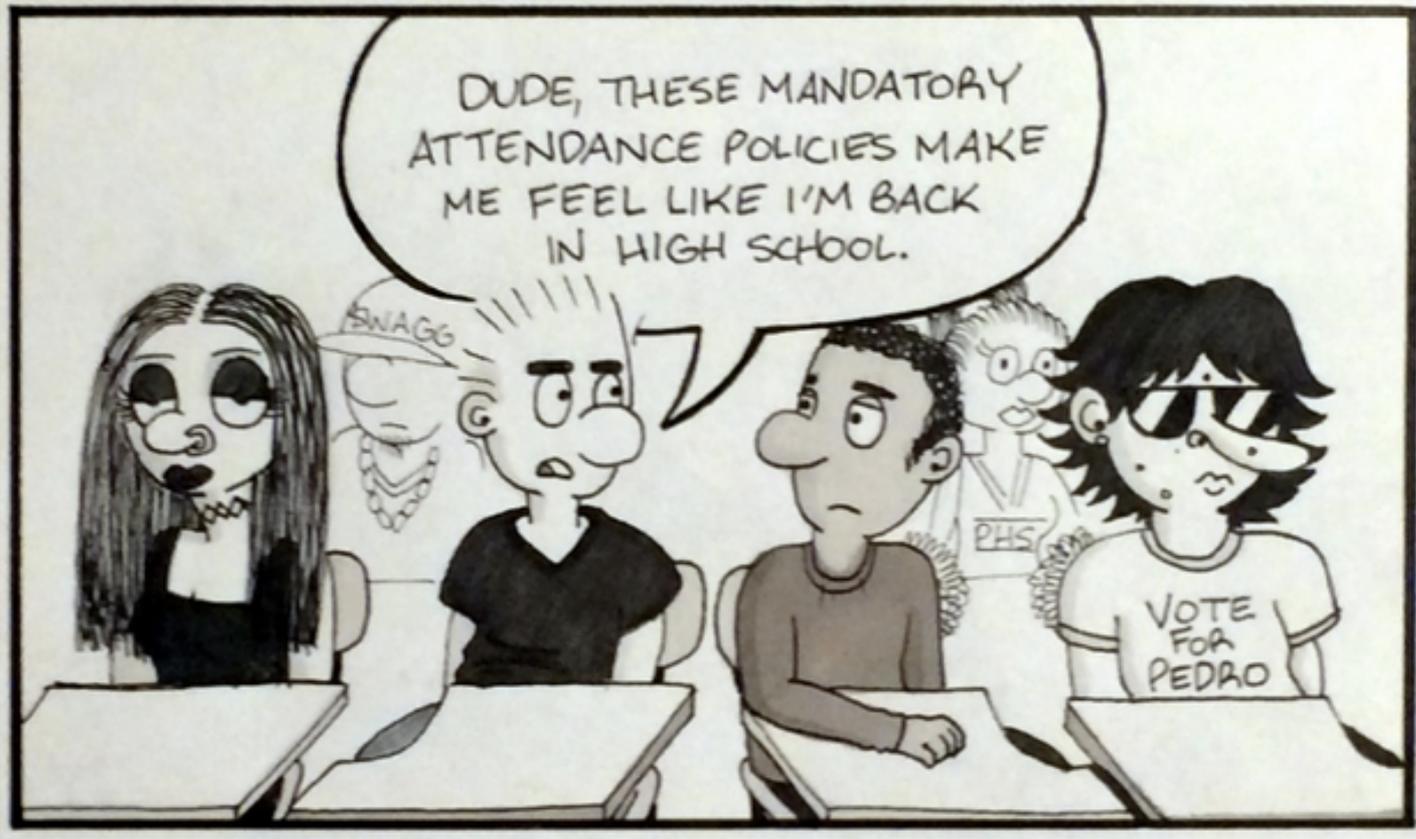
# Lecturing Style

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- You will be **RESPONSIBLE** for the chapters' readings.
- I may use material that is not included in the book. Make sure you follow me in the class and check webpage frequently.
- My powerpoint slides will be uploaded to class webpage (check table). It is **YOUR JOB** to print them and take notes during my lecture.
- There are no stupid questions. So ask me and do not get lost.

# Attendance

I **DON'T** take attendance. You are a responsible student and you want to learn. No points only for showing up!



# Testing style

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- My exams are composed of multiple choice, matching, and short answer questions.
- Questions vary in difficulty.
- Exams dates are fixed (see syllabus).
- I **WILL NOT** change the dates of the exams.
- If study and read the questions carefully, you can get a full mark.

# Your Project

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- You will be presenting your findings in oral presentation at the end of the semester (worth 10% of your grade).
- DO NOT PANIC.
- I will guide you to make your presentation a fun 15 min experience.
- The data of all organisms will be jointly presented by me or my research students.



# Expectations

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- You know me, my office location, my contacts and that my job is to teach and help you.
- You understand your rights and responsibilities.
- You understand my lecturing style, your project, and my grading system.
- You know it is going to be a fun learning experience.

# Disclaimer

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Figures, photos, and graphs in my lectures are collected using google searches. I do not claim to have personally produced the material (except for some). I do cite only articles or books used. I thank all owners of the visual aid that I use and apologize for not citing each individual item. If anybody finds the inclusion of their material in my lectures a violation of their copy rights, please contact me via email.

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