

# Task Description of Final Proposal on HCI-related Technologies

COMP6613A

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# Three Components

- Extended abstract (**Monday, Nov 23**)
  - Research “work in progress”
  - Up to 2 pages + references
- Poster (**Monday, Nov 23**)
  - Conference poster
  - One sheet of landscape A4 sized paper
- Video (**Saturday, Nov 28**)
  - Commercial product / concept video
  - 30~60 seconds

# Extended Abstract

- Format (.pdf)
  - ACM SIGCHI extended abstracts format <http://www.sigchi.org/publications/chipubform/sigchi-extended-abstracts-format-2016/view>
  - Up to two pages of content + references
- Content
  - Intro (intellectual merits and broader impact)
  - Background + related work
  - Your idea (design, implementation, etc.)
  - Potential evaluation (expected results)
  - Conclusion (implications for the HCI community)

# Poster of the Extended Abstract

- Format (.pdf)
  - Size: a landscape ppt slide
  - Font and color: legible
  - Can be printed on a sheet of A4 paper
- Guidelines
  - Attracting the eyes without distracting the mind
  - Clear structure
  - Short informative text
  - Good graphics and color scheme

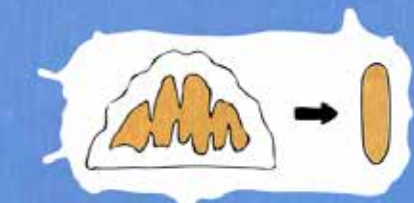




# predicting genotype from phenotype

Michael D. Barton, Hazel A. Barton  
University of Akron

[www.michaelbarton.me.uk](http://www.michaelbarton.me.uk)



cave-isolated  
*Pseudomonas fluorescens*

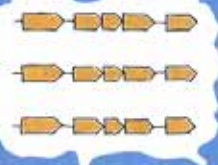
compared with  
three other  
*Pseudomonas*



type 4 pilins



twitching motility  
phenotype specific  
to two strains



no observable  
difference in  
type 4 pilin  
pathway genes



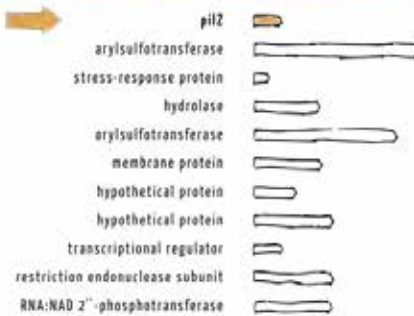
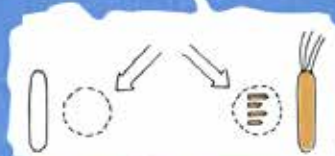
create  
sequence  
similarity  
network



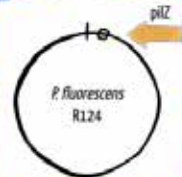
identify  
communities  
of homologs



select  
clusters  
specific to  
phenotype



possible  
involvement in  
cell division

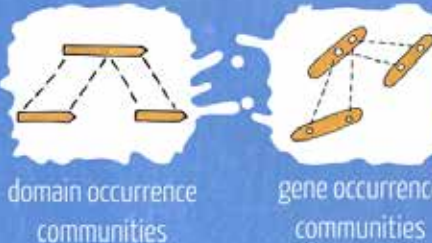


c-di-GMP



signal molecule  
binding domain

future considerations



# Video to Advertise your Idea

- Format
  - 30 to 60 seconds
  - $\leq 50$  MB
  - Reasonable resolution + good sound quality
  - Compatible with common players
- Content
  - Product
  - Service
  - Concept

# Procedure

- Pre-draw your presentation order ID from a box
  - One for poster and one for video, on Nov 16 (Mon)
- Poster presentation (3 min per person)
  - 2 min presentation (projected on screen)
  - 1 min Q&A
- Video presentation (3 min per person)
  - Up to 1 min video
  - ~ 2 min Q&A



# Evaluation (1)

- 10 tokens for poster presentation
  - Research impact
  - Novelty
  - Feasibility
- 10 tokens for video presentation
  - Market value
  - Superiority over rivals
  - Practicality
- You decide on
  - to whom (presenter ID)
  - how many tokens to invest in

# Evaluation (2)

- The presenter
  - The number of tokens received
- The voter
  - The rank of your choice
  - Your share in the investment

# Checklist

- Your submission follows the required format
- Submit on time
  - Nov 23 for extended abstract and poster (10 points)
  - Nov 28 for video (10 points)
- Include
  - Your name
  - Your poster / video presentation ID