Introduction to Video Bioinformatics September 13-17, 2010 Schedule Room

Monday, September 13, 2010

- 10:00am 12:00pm
 - Video Bioinformatics Overview, Bhanu (2)
- 12:00pm 1:00pm
 - o Lunch
- 1:00pm 3:00pm
 - The structure and function of cells from all major groups of organisms, Talbot (2)
 - 3:00pm 3:30pm
 - o Break
- 3:30pm 5:30pm
 - Overview of microscopic techniques used to study cells, Talbot (1)
 - Stem Cells, Talbot (1)

Tuesday, September 14, 2010

- 9:00am 12:00pm
 - Live imaging, confocal microscopy, spatiotemporal dynamics, cellular structures, green fluorescence proteins, the cytoskeleton, Yang (3)
- 12:00pm 1:00pm
 - o Lunch
- 1:00pm 2:00PM
 - Live imaging, confocal microscopy, spatiotemporal dynamics, cellular structures, green fluorescence proteins, the cytoskeleton, Yang (1) Continue
- 2:00pm 2:30pm
 - o Break
 - 2:30pm 5:30pm
 - Image and Video Computing, Bhanu (3)

Wednesday, September 15, 2010

- 8:00am 10:00am
 - Multi-scale analysis and dynamic cellular response to action potential, Rodgers (2)
 - 10:00am 10:30am

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- o Break
- 10:30am 12:30pm
 - Multi-scale analysis and dynamic cellular response to action potential, Rodgers (2)

- 12:30pm 1:30pm
 - o Lunch
- 1:30pm 3:30pm
 - Analysis of microscopic and genomic data, biology of cancer, Parvin (2)
- 3:30pm 4:00pm

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- o Break
- 4:00pm 6:00pm
 - Analysis of microscopic and genomic data, biology of cancer, Parvin (2) Continue

Thursday, September 16, 2010

- 10:00am 12:00pm
 - Relational database systems; relational model; disks and data storage; query languages; indexing and hashing; query processing, Tsotras (2)
- 12:00pm 1:00pm
 - o Lunch
- 1:00pm 3:00pm
 - Relational database systems; relational model; disks and data storage; query languages; indexing and hashing; query processing, Tsotras (2) Continue
- 3:00pm 3:30pm
 - o Break
- 3:30pm 4:30
 - Image and video databases, Bhanu (1)

Friday, September 17, 2010

• 1pm – 3pm

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- Computed tomography and positron emission tomography: overview, Obenaus (1)
- Magnetic Resonance Imaging -fundamentals, applications and opportunities, Obenaus (1)
- 3:00pm 3:30pm
 - o Break
- 3:30pm 5:30pm
 - Magnetic Resonance Imaging -fundamentals, applications and opportunities, Obenaus (2) Continue