8th Annual ACSESS Forum SDSU

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Genetic Analysis Leading to Personalized Medicine



HiSeq

FlowCell Entire human genome (3.3 Gbases) scanned in around a week









iScan



HiScanSQ Scans both BeadChips and FlowCells



Eco Real-Time PCR assays at affordable prices

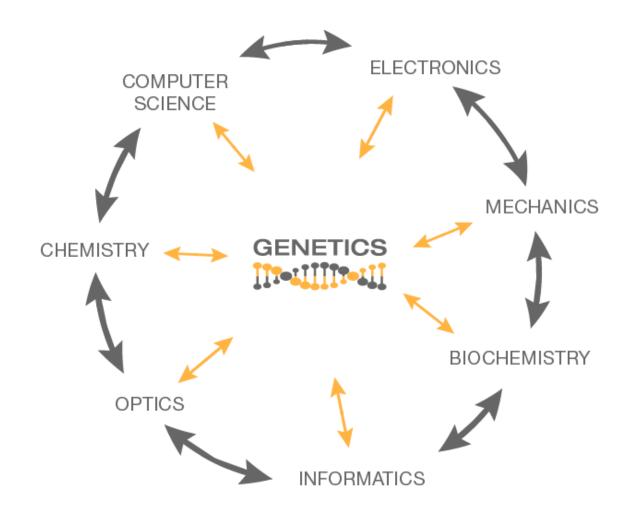


MiSeq Personal sequencing system



Blending Science and Technology

There's almost no end to the variety you will experience in Genetics...





Essentials

- Solid background in chosen technology
- Setting Goals and Documenting Achivements
- Flexibility to Adapt to Workplace Culture
- Ability and Desire to Learn New Technology Quickly
- Collaborating with Other Disciplines

- Deliver Quality Output "Close Enough" is Not Good Enough
- Teamwork and Participation

Expertise Predicts Success

Listening and Communication

Influence and Persuasion

(and Leadership)

Delivering and Receiving Feedback

Time and Task Management Documenting and Presenting

Estimating and Scoping











Teamwork and Responsibility

Business Skills

Prioritizing

Analyzing and Decision Making



Continual Learning

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Opportunities

- Technologies
 - (Bio)Informatics, Computer Science/Engineering, Networking/Cloud Computing
 - Hardware Engineering (Electronics, Mechanics, Optics, Software, Image Processing, Real-Time-Analysis, Fluidics,
 - (Bio)Chemistry, Biology, Computational Biology
 - Process Engineering
 - Automation Engineering (Controls, Communications, Robotics)
- Academics
 - BS, MS, PhD
 - Extra-curricular activities
 - Business exposure
- Cultural Fit
 - Teamwork
 - Flexibility
 - Passion for technology
 - High performers



