



# AICML Overview

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October, 2014

# AICML at a Glance

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- **Founded 2002**
- **Resides at University of Alberta**
- **Evaluated as one of the top Machine Learning research organizations in the world**
- **Since inception >110 technologies created**
- **115 heads**
  - 10 Professors (PIs)
  - 20 Lab Staff & Admin
  - 85 M.Sc., PhD. & PDFs

# AICML at a Glance

## AICML graduates go to:

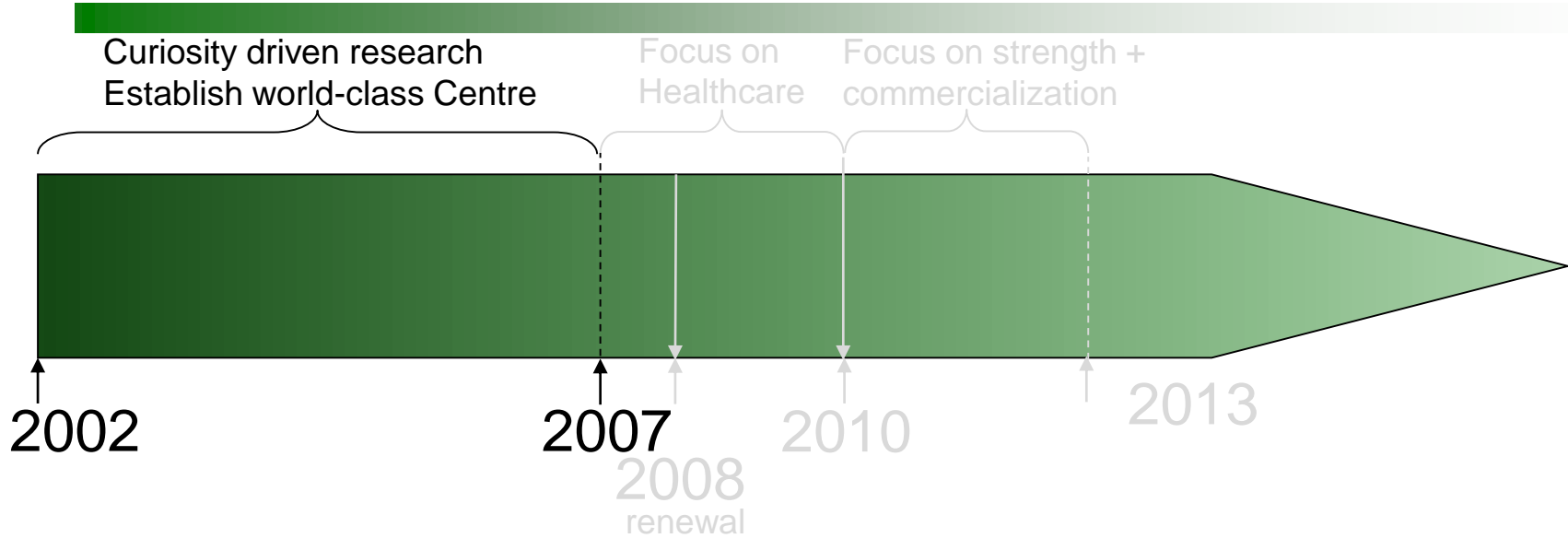
### Industry

- Google 
- eBay 
- Microsoft 
- Bloomberg 
- Yahoo 
- 23andme.com 
- Amazon 
- Schlumberger 
- IBM 
- Bell Labs 
- Electronic Arts 
- Sandia National Labs 
- EMC, etc... 

### Academic

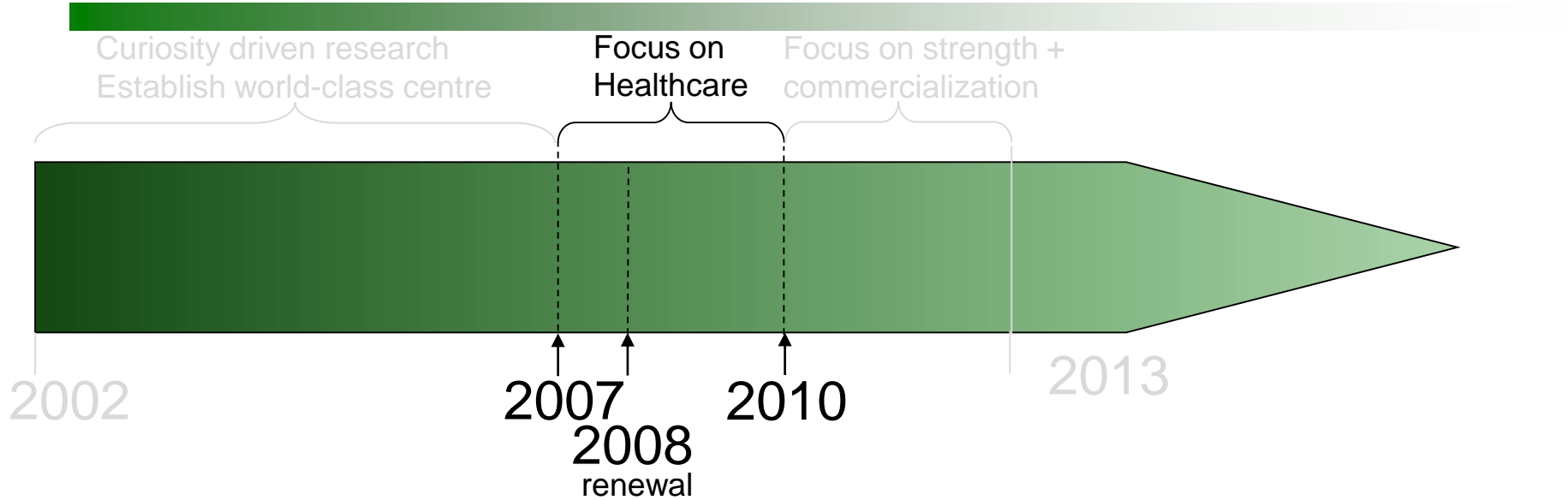
- Carnegie Mellon University 
- MIT 
- Stanford 
- McGill University 
- University of Waterloo 
- Johns Hopkins 
- Rutgers 
- Princeton University 
- USC 
- UBC 
- Purdue 
- Mayo Clinic 
- Numerous others: Asia, Australia, Europe

# AICML History



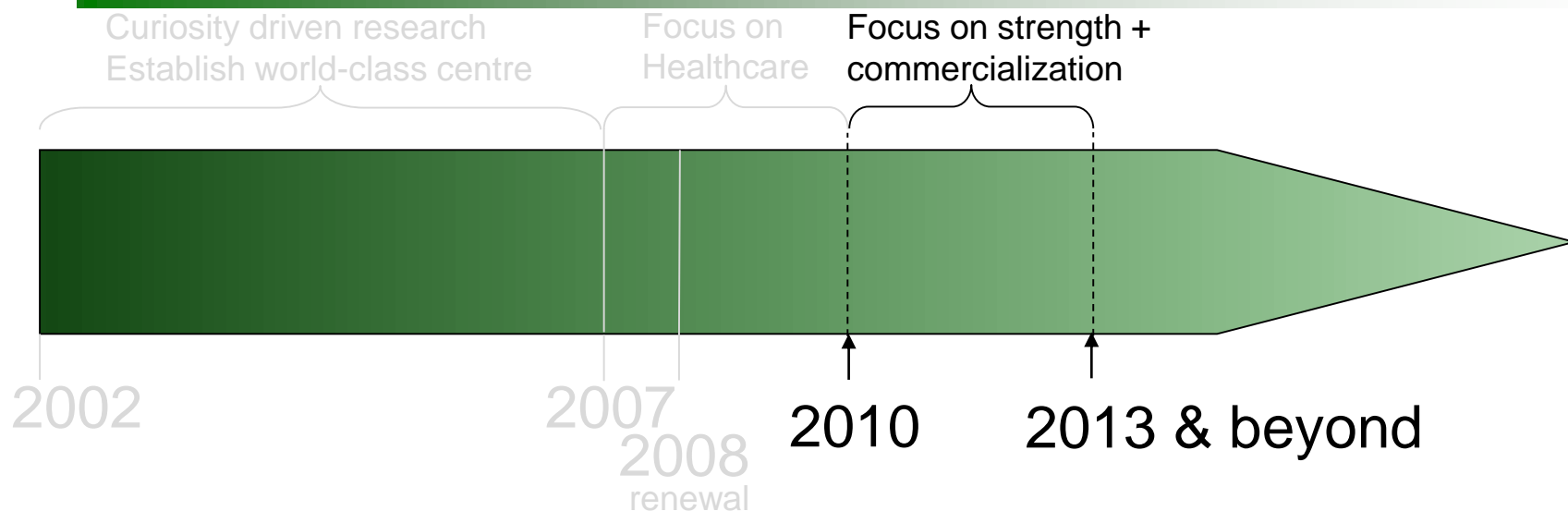
## Conduct World-Class Research 2002 – Present

# AICML History



**2007 funder mandated focus on Healthcare**

# AICML History



## Focus on Strengths!

- Big Data & Analytics
- Natural Language Processing
- Social Network Analysis
- Optimization
- Game Theory (i.e., capital markets, military simulation, etc.)
- Robotics/Reinforcement Learning

# AICML Purpose & Objectives

- **Academic Excellence**
  - Continuation of World-Class Research
  - Ongoing development of HQP
- **Commercial Translation & Impact**
  - Enable Alberta based companies/organizations to be more efficient and competitive through ML
  - Place AICML graduates in Alberta & Canada
  - Create foundation for healthy viable start-ups

Outcomes are Contingently Linked

# Customer Approach

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- **Inventions are NOT Solutions**
- **Focus on solving Real World Customer Problems**

## Starting Questions

1. **What do you do that you would like to be able to do better?**
2. **What would you like to be able to do that you can't currently do?**



# Conclusion

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## Engaging with AICML:

- **Engage a student through the Mitacs Intern Programme**
- **Hire student(s)**
- **Propose a research project to be undertaken by AICML PIs & Students**
- **AICML Start-up**

# Contact Info

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