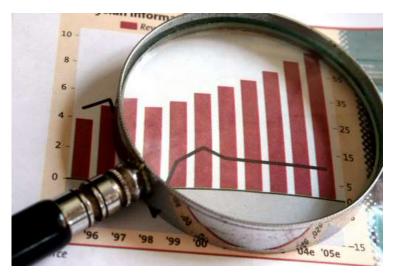
# FY 2013-2014 CU Tech Transfer Performance Metrics





**TECHNOLOGY TRANSFER OFFICE** 

Kate Tallman

Associate Vice President for Technology Transfer

kate.tallman@cu.edu

#### **Shifting Landscape of CU Technology Transfer**

- There is a nationwide shift in emphasis towards "innovations" more broadly than patentable discoveries from universities.
- Faculty engaged in the university research enterprise are preparing for a shift away from exclusive reliance on federal government funding.
- CU TTO is responding to these shifts by engaging with leadership on all campuses on new visions to engage with industry collaborators to bring more innovations to market.
- The shift in emphasis requires TTO to build capacity to add value to a wide variety of innovations that will be brought to market through diverse channels

### Dashboard Look at FY 2013-2014

- Invention disclosures [maintained consistent level of invention disclosures, representing strong engagement with faculty]
- US patent applications [increasing investment in more focused IP portfolio]
- Exclusive licensing transactions [economic recovery in Colorado and nationwide drove near record license agreements]
- Nonexclusive licensing transactions [increased focus on developing nonexclusive licenses for biological materials research tools]
- Start-ups [9 new startups distributed throughout the CU system]
- POC program [final round of state BDEG program prior to the merger with Advanced Industries Accelerator, working on a new process for non-bio AIA development and review]
- Equity liquidations [proceeds from 4 companies with liquidity events prior to or during the 2013-2014 fiscal year]
- Overall revenue [running royalties build slowly on maturing portfolio, 2012 monetization cuts royalty totals by 1/3]

#### Dashboard Look at FY 2013-2014

- Patent reimbursements [significant change in reimbursement structure due to increased speculative patent investment]
- Integration with University programs [support for industry research initiatives is of growing importance and represents a major priority]
- Support from the business community [vibrant activity around accelerators and "gazelle" companies takes focus away from early stage university spinouts, TTO continues to make the case that research-based innovation is an important feeder to our ecosystem]
- TTO staff [managed significant staff transition and built a well functioning team to get deals done and build the pipeline of opportunities]

Net, TTO capitalized on many new opportunities that came with the economic recovery.

# CU Technology Transfer Over the Past Nine Years

Fiscal Year	05-6	06-7	07-8	08-9	09-10	10-11	11-12	12-13	13-14
Invention disclosures	200	255	238	261	233	250	226	238	250
New patent filings	72	100	90	104	127	126	116	115	90
Follow-on patent filings	164	241	246	198	215	228	205	243	227
Total options/licenses	59	80	61	63	59	51	49	45	57
Exclusive options/licenses	38	41	45	51	41	40	34	29	43
License revenue in \$MM*	21.4	23.9	6.1	4.4	2.4	3.9	32.8	16.5	4.3
Start-up companies	10	10	11	11	9	11	10	8	9

<sup>\*</sup>Does not include revenue derived from legal settlements which in FY05-6 amounted to \$0FT.7M, and in FY06-07 \$1.3M.

## Companies Created in FY 2013-2014 Based on CU Intellectual Property

Company	Campus	Technology
BioElectric	Denver	Bioelectrochemical water reconditioning for oil and gas production
Clear Creek Networks	Boulder	Flexible, secure networking communications for electrical grids
EdTREX	Boulder	Software platform supporting individualized curricula and student learning objectives
EnteroTrack	Anschutz	Non-Invasive diagnosis and monitoring of esophageal disease
Galaxy Ophthalmics	Anschutz	Implantable medical device to help prevent loss of vision resulting from glaucoma
Mile High Ophthalmics	Anschutz	Ophthalmic device for enhanced precision in cataract surgery
OcuTherix	Anschutz	Non-invasive glaucoma treatment device
Ocugen	Anschutz	Novel biotherapeutics to treat eye diseases
Recreo Pharma	Boulder	Resistance-modifying agents to combat antibiotic resistance 6

### Start-up Company Sustainability and Capital Raised

- In the last 20 years, 141 companies have been formed based on CU intellectual property.
- Of these, 113 are operational as either stand alone or subsidiary/merged companies.
- CU IP has been relicensed from 10 of the 27 discontinued companies.
- 96 of the 113 continuing companies have operations in Colorado.
- 19 have received seed investment from TTO's convertible debt program.
- Companies started from CU IP have raised ~\$6.2B in capital from federal and state grants, TTO, angel, venture capital, acquisition and IPO sources.

### CU IP and Licensing Portfolio at a Glance (as of 07/01/2014)

- Total U.S. Patents in force: 402
- Total U.S. Patents in prosecution: 344
- Exclusive Licenses in good standing: 182
- Non-Exclusive Licenses in good standing: 197
- Bio Licenses in good standing: 225
- Non-Bio Licenses in good standing: 154