



TL1: Clinical and Translational Scientist Training Program

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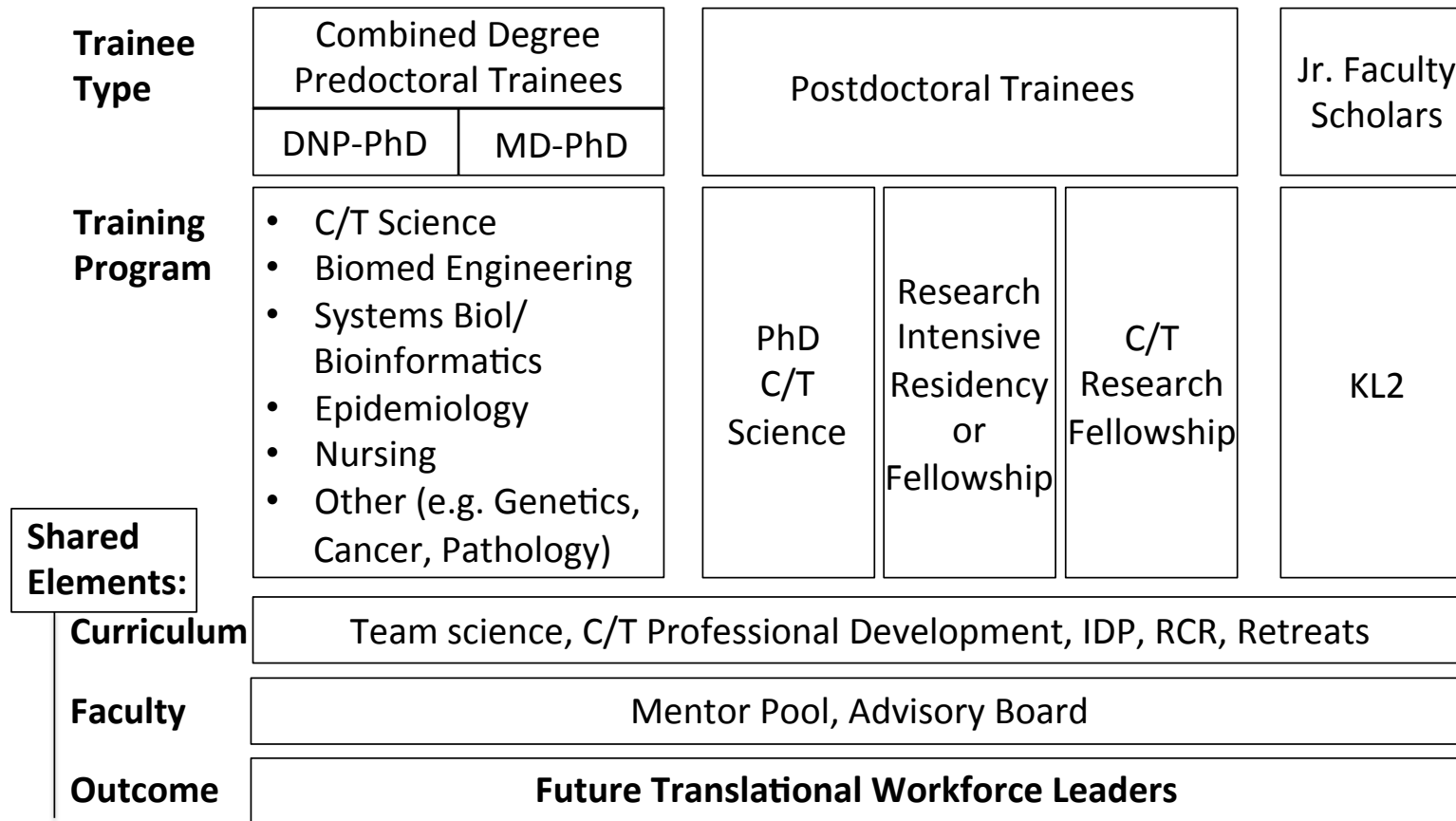
TL1: Clinical and Translational Scientist Training Program (CTSTP)

- Launched 2007, focus on predoc dual-degree training (MD-PhD, DNP-PhD)
- New DNP-PhD program developed.
- Added new PhD programs (Clinical Translational Science-2015, Systems Biology and Bioinformatics-2011, Biomedical and Health Informatics-just launched) and expanded other translational PhD training (Biomedical Engineering, Epidemiology, Genetics, Pathology/Cancer/Immunology, some others).
- New postdoctoral program starting 2018.
- Current 8 predoc slots, 2 postdoc slots.



TL1: Clinical and Translational Scientist Training Program (CTSTP): Current structure and themes to carry forward

Figure 1: CTSC Research Education Programs Schematic



TL1 Trainees Supported

- 88 total TL1-supported trainees since 2007
 - 82 predocs (5 DNP-PhD, 76 MD-PhD) (32 still in training + 1 LOA)
 - 6 postdocs
- Currently appointed to the grant:
 - 8 predocs
 - 2 postdocs
- Predocs previously appointed to the grant and still in program:
 - 24 predocs still in training currently on other sources of support
 - 1 predoc currently on leave of absence
- Completion and drops:
 - 42 predoc alumni (39 MD-PhD, 3 DNP-PhD)
 - 3 postdoc alumni
 - 7 predocs left program without completion (all but 2 earned one doctoral degree)
- URM:
 - 2 of 10 currently appointed (20%) (all predoc, 25% of predoc)
 - 10/32 predoc currently in training (31%)
 - 7/42 predoc alumni (17%)
 - 0/3 postdoc alumni

Trainee Outcomes

- First-authored papers published by all MD-PhD and DNP-PhD graduates
- Average publications from period of training >3 first-authored, >5 total.
- 86% of graduates who are no longer in training are engaged in research
- 50% of graduates engaged in research are women
- 14% of graduates engaged in research are URM

Future Plans

- Split predoc and postdoc into two T32 grants
 - Harding predoc, Spilsbury postdoc, plus associate directors Stappenback, Hickman, others?
- Collaborative team with K12, T32s, pipeline of training, shared curricular activities, mentor pool development, applicant referrals.
- Predoc (6-8 slots?):
 - Continue a focus on combined degree training.
 - Reinvigorate DNP-PhD program. Joachim Voss new partner and participant.
 - New goal to support single degree PhD training in Clinical Translational Research, consider other PhD programs but need to keep focused with few slots.
- Postdoc (4-6 slots): Three tracks:
 - PhD in Clinical Translational Research
 - Physician-scientist research track residency/fellowship
 - General C/T research fellowships across disciplines, schools.

