

Transdisciplinary Lessons

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**Tobacco Control Research
Branch, BRP, DCCPS**

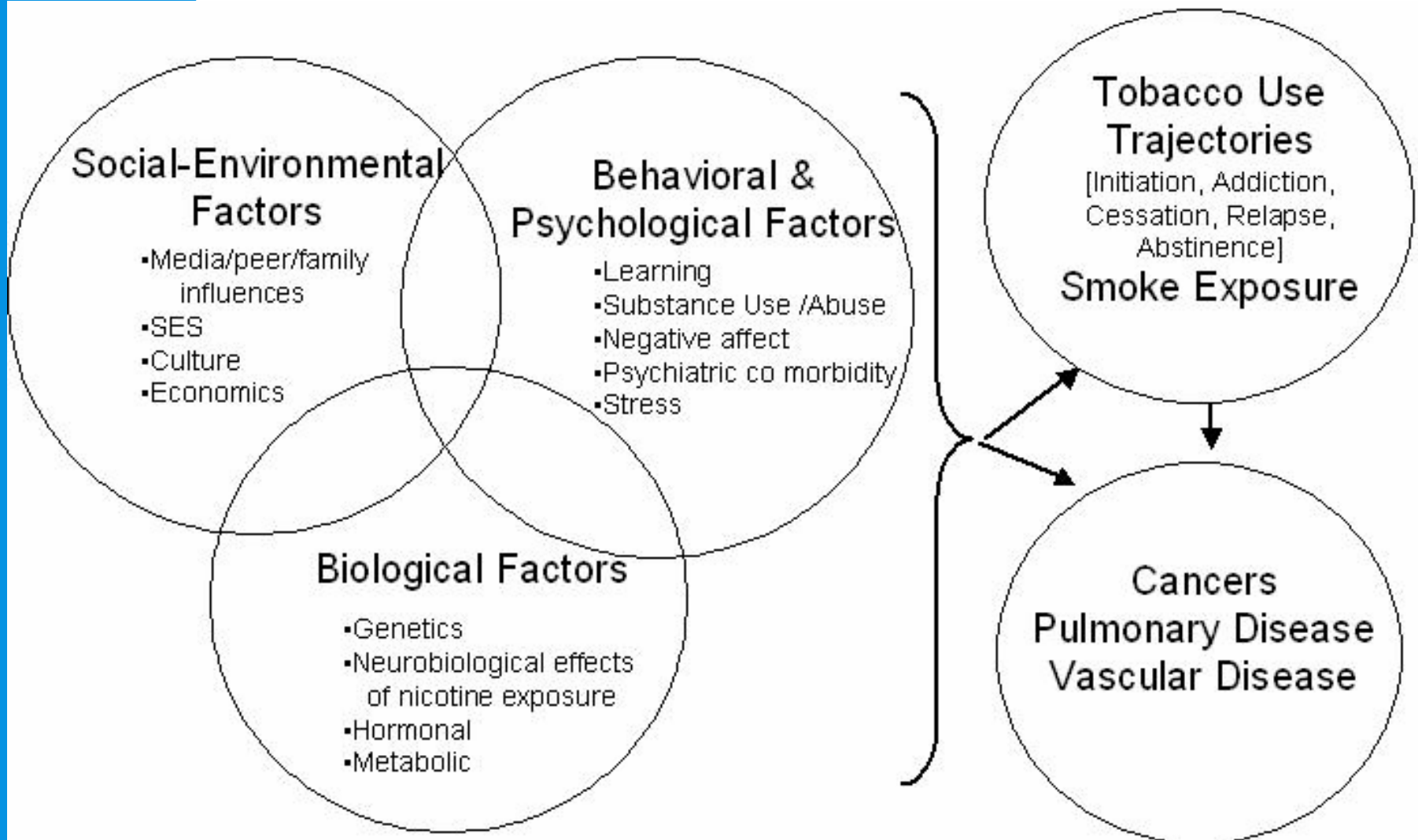
Cross disciplinary research initiatives in DCCPS

- Transdisciplinary Tobacco Use Research Centers (TTURC): NCI, NIDA, NIAAA, RWJF *Total Investment 1999-2009 \$145.5M*
- Centers of Excellence in Cancer Communications Research (CECCR): NCI *Total Investment 2003-2008 \$40M*
- Centers for Population Health and Health Disparities (CPHHD): NCI OBSSR NIEHS NIA *Total Investment 2003-2008 \$60.5M*
- Transdisciplinary Research on Energetics and Cancer (TREC) Centers: NCI *Total Investment 2005-2010 \$54M*

Components

- Minimum of three major projects
- Cores (administrative, biostatistics...)
- Training program
- Developmental/pilot project program

Model of Smoking



Transdisciplinary Centers 2006

- University of Wisconsin (Timothy B. Baker) *Tobacco Dependence: Treatment and Outcomes*
- Roswell Park Cancer Institute Corporation (K. Michael Cummings) *Building the Evidence Base for Tobacco Control Policies*
- University of Minnesota (Dorothy K. Hatsukami) *Tobacco Exposure Reduction*
- University of Southern California (C. Anderson Johnson) *Genes, Environment & Tobacco Use Across Cultures*

Transdisciplinary Centers 2006

- Brown Medical School (Raymond Niaura) *Nicotine Dependence: Phenotype, Endophenotype & Contexts*
- University of Pennsylvania (Caryn E. Lerman) *Treatment Options for Smoking Cessation*
- Yale University (Stephanie O'Malley) *Tobacco Dependence & Risk Factors for Treatment Failure*

Disciplinary representation

		TOTALS*	Primary	Secondary	Tertiary
1	Psychology – Clin.	32	28	3	1
2	Statistics	30	14	11	5
3	Behavioral Science	29	7	10	12
4	Epidemiology	29	10	9	10
5	Genetics	27	8	15	4
6	Neuroscience	24	9	11	4
7	Public Health	23	6	6	11
8	Pharmacology	23	5	11	7

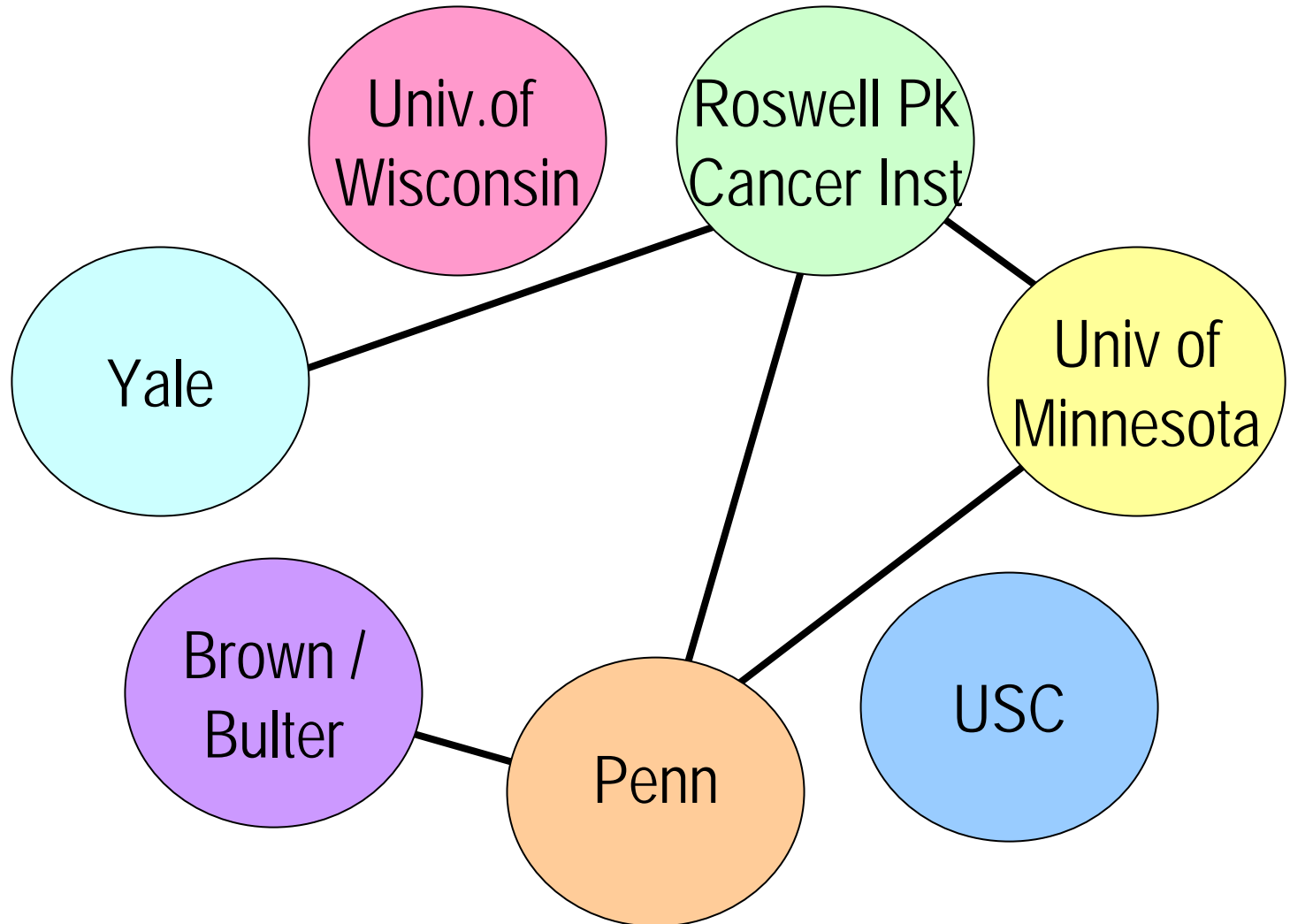
*Includes Primary, Secondary and Tertiary



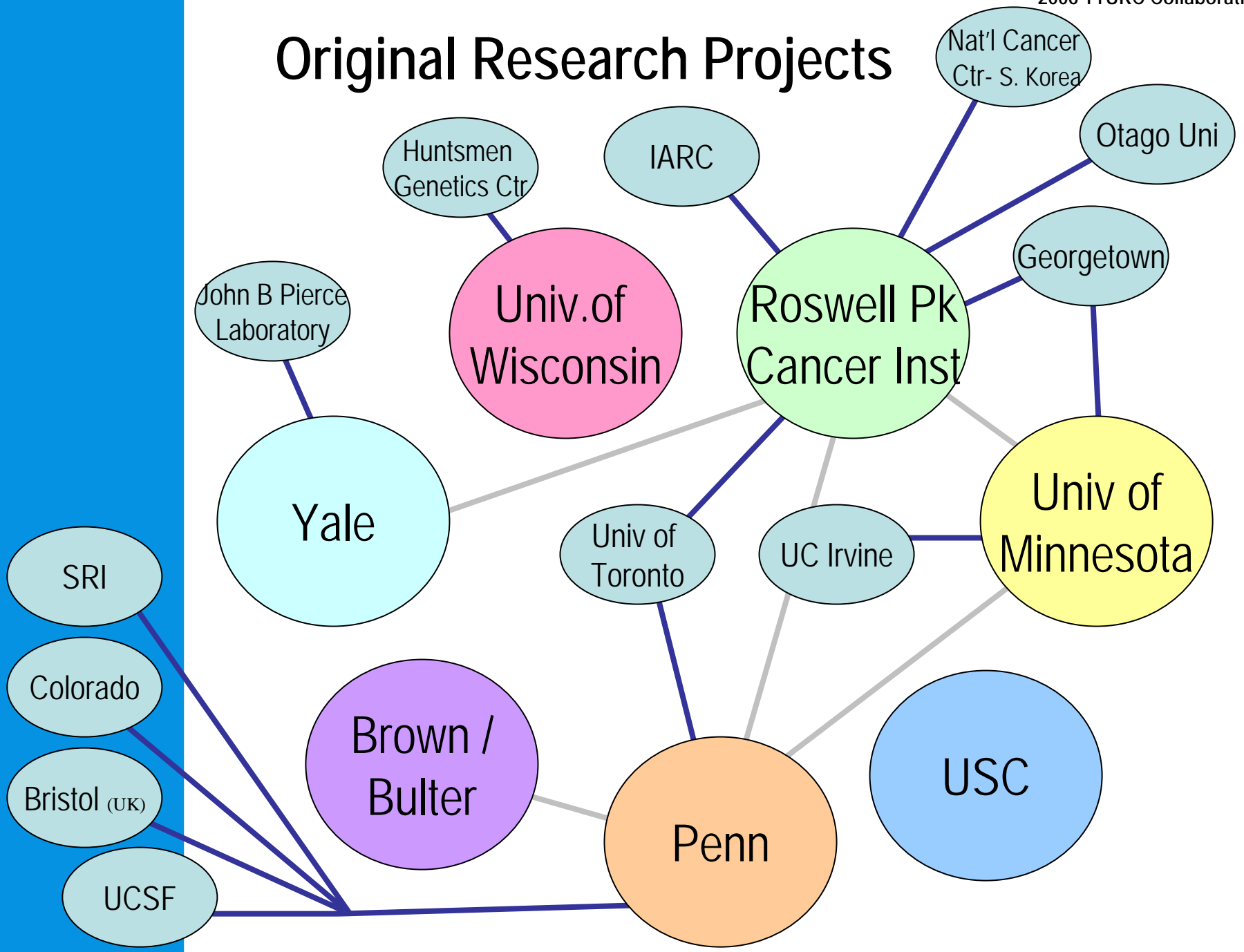
National Cancer Institute

2006 TTURC Collaborations

2006 TTURC Collaborations Original Research Projects



Original Research Projects



Lessons learned

- Commitment of resources
- Initiative conferences
- Cross-center workgroups
- Attention to training & newer investigators

Key elements for successful transdisciplinary research

- Regular structured communications across disciplines
- Respect for other's models and methods
- Development of common language
- Sound institutional commitment and support
- Funds for emerging areas of research and training
- Adequate attention to and funds for infrastructure
- Emphasis on expanding science to engage other centers & new disciplines