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Ms. Horn is an attorney and a registered nurse. She has worked for the Connecticut Department of Public Health for the past five years in several legal and regulatory oversight positions. Since December 2005, she has worked as Legal Director of the Department's Office of Research and Development to implement the Stem Cell Research Fund, ensuring that the program complies with all legal and ethical standards. In this role, she has addressed conflict of interests issues, payment for egg donations, public access to the grant award process, and was actively involved in the development of Connecticut's grant application for the first \$20 million dollars from the state's \$100 million stem cell fund. Information about the Connecticut stem cell program is attached. Additional information may be found at the Connecticut Department of Public Health's stem cell website at www.dph.state.ct.us/stemcell/index.htm.

Prior to coming to the Department of Public Health, Ms. Horn spent ten years with the Connecticut Office of the Attorney General, Health and Human Services Department working on a variety of legal issues involving public health.

As a registered nurse, she worked in a variety of clinical settings including neurology, neurosurgery, and psychiatry.

She obtained her law degree from the University of Connecticut. She trained as a registered nurse at Ryerson Polytechnical University in Toronto, Ontario, Canada and holds a current registered nurse license in Connecticut.

About Connecticut's Stem Cell Research (SCR) Program

Public Act 05-149, "An Act Permitting Stem Cell Research and Banning the Cloning of Human Beings" (the Act), was approved by the General Assembly and signed by Governor M. Jodi Rell on June 15, 2005. The Act appropriated the sum of twenty million dollars for the purpose of grants-in-aid for conducting embryonic or human adult stem cell research. In addition, for each of the fiscal years ending June 30, 2008 to June 30, 2015, the Act specified that an additional ten million dollars should be disbursed from the State's Tobacco Settlement Fund to the Stem Cell Research Fund to support additional research. The Act has subsequently been codified in Connecticut General Statutes §19a-32d through §19a-32g, and 4-28e(c)(3).

Passage of the legislation positioned Connecticut as just the third state in the nation in providing public funding in support of embryonic and human adult stem cell research. It mandated the establishment of the Connecticut Stem Cell Research Advisory and Peer Review Committees by October 1, 2005, and required the Commissioner of Public Health as Chair of the Stem Cell Research Advisory Committee to convene the first meeting by December 1, 2005.

Seventy applications were received in response to the Request for Proposals issued on May 10, 2006. The five member Connecticut Stem Cell Peer Review Committee reviewed the applications in accordance with the National Institutes of Health's guidelines and provided its recommendations with respect to the scientific merits of each application. All applications reviewed were deemed to meet acceptable ethical standards.

On November 21, 2006, with the support of Connecticut Innovations and the Department of Public Health, the Connecticut Stem Cell Research Advisory Committee directed the award of \$19.78 million in stem cell research funds to researchers from the University of Connecticut, Wesleyan University and Yale University. The following grants have been allocated funds from the Connecticut Stem Cell Research Fund:

- *An Integrated Approach to Neural Differentiation of Human Embryonic Stem Cells*, Yale University, Michael P. Snyder, Principal Investigator, \$3,815,476.72
- *Directing hES Derived Progenitor Cells into Musculoskeletal Lineages*, University of Connecticut Health Center and University of Connecticut, David W. Rowe, M. D., Principal Investigator, \$3,520,000
- *Human Embryonic Stem Cell Core Facility at Yale Stem Cell Center*, Yale University, Haifan Lin, Principal Investigator, \$2,500,000
- *Human ES Cell Core At University of Connecticut and Wesleyan University*, University of Connecticut Health Center, Ren-He Xu, Principal Investigator, \$2,500,000
- *DsRNA and Epigenetic Regulation in Embryonic Stem Cells*, University of Connecticut Health Center, Gordon G. Carmichael, \$880,000.
- *Alternative Splicing in Human Embryonic Stem Cells*, University of Connecticut Health Center, Brenton R. Graveley, Principal Investigator, \$880,000
- *SMAD4-based ChIP-chip Analysis to Screen Target Genes of BMP and TGF Signaling in Human ES Cells*, University of Connecticut Health Center, Ren-He Xu, Principal Investigator, \$880,000
- *Directing Production and Functional Integration of Embryonic Stem Cell-Derived Neural Stem Cells*, Wesleyan University, Laura B. Grabel, Principal Investigator, \$878,348.24
- *Role of the Leukemia Gene MKL in Developmental Hematopoiesis Using hES Cells*, Yale University, Diane Krause, Principal Investigator, \$856,653.72
- *Migration and Integration of Embryonic Stem Cell Derived Neurons into Cerebral Cortex*, University of Connecticut, Joseph LoTurco, Principal Investigator, \$561,631.84
- *Optimizing Axonal Regeneration Using a Polymer Implant Containing hESC-derived Glia*, University of Connecticut, Akiko Nishiyama, \$529,871.76

- *Development of Efficient Methods for Reproducible and Inducible Transgene Expression in Human Embryonic Stem Cells*, University of Connecticut Health Center, James Li, Principal Investigator, \$200,000
- *Pragmatic Assessment of Epigenetic Drift in Human ES Cell Lines*, University of Connecticut, Theodore Rasmussen, Ph.D., Principal Investigator, \$200,000
- *Cell Cycle and Nuclear Reprogramming by Somatic Cell Fusion*, University of Connecticut Health Center, Winfried Krueger, Principal Investigator, \$200,000
- *Function of the Fragile X Mental Retardation Protein in Early Human Neural Development*, Yale University, Yingqun Joan Huang, Principal Investigator, \$200,000
- *Quantitative Analysis of Molecular Transport and Population Kinetics of Stem Cell Cultivation in a Microfluidic System*, University of Connecticut, Tai-His Fan, Principal Investigator, \$200,000
- *Embryonic Stem Cell as a Universal Cancer Vaccine*, University of Connecticut Health Center, Bei Liu, Zihai Li, M. D., Principal Investigators, \$200,000
- *Lineage Mapping of Early Human Embryonic Stem Cell Differentiation*, University of Connecticut, Craig E. Nelson, \$200,000
- *Directed Isolation of Neuronal Stem Cells from hESC Lines*, Yale University School of Medicine, Eleni A. Markakis, Principal Investigator, \$184,407
- *Magnetic Resonance Imaging of Directed Endogenous Neural Progenitor Cell Migration*, Yale University School of Medicine, Erik Shapiro, Principal Investigator, \$199,975
- *Generation of Insulin Producing Cells from Human Embryonic Stem Cells*, University of Connecticut, Gang Xu, Principal Investigator, \$200,000