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Faculty interests in the Hamon Center for Regenerative Science and Medicine include neurogenesis, heart repair, stem cell differentiation, and other topics. Summary of Meeting: Heart disease is the leading cause of death worldwide, affecting both children and adults. It is now clear that congenital heart defects result from disorders in developmental mechanisms of differentiation and morphogenesis and that these disorders are often the consequence of genetic variation. Dedifferentiation, or integration is a cellular process often seen in more basal life forms such as worms and amphibians in which a partially or terminally differentiated cell reverts to an earlier developmental stage, usually as part of a regenerative process. Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations., Epigenetic Regulation Development Regeneration Regenerative.

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