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 "OPEN DISCUSSION PERIOD"; "APPLICATIONS OF MOLECULAR BIOLOGY AND GENETICS TO DEVELOPMENTAL TOXICOLOGY"; "OPEN DISCUSSION PERIOD"; "SESSION IV Fetal Tissue Transplantation"; "PLASTICITY AND COMMITMENT IN THE DEVELOPING MAMMALIAN BRAIN"; "OPEN DISCUSSION PERIOD"; "STEM-CELL TRANSPLANTATION IN HUMAN BRAIN DISEASE"; "OPEN DISCUSSION PERIOD"; "FETAL TISSUE TRANSPLANTATION FOR PATIENTS WITH PARKINSON'S DISEASE"; "IMPROVING FETAL NEURONAL GRAFT TECHNOLOGY THROUGH THE USE OF NONHUMAN PRIMATES TO MEET THE NEEDS OF HUMAN THERAPEUTIC?"; "OPEN DISCUSSION PERIOD"
 "FORCES THAT MOLD THE ANTIBODY RÉPERTOIRE: LESSONS FROM FETAL LYMPHOCYTES"; "ISOLATION OF CANDIDATE HUMAN STEM CELLS USING SCID-HU MICE IMPLANTED WITH HUMAN FETAL TISSUE"; "XENOGENEIC TRANSPLANTATION: THE USE OF ANIMALS FOR ORGAN DONORS"; "Highlights and Themes"; "Appendixes"; "Appendix A Conference Agenda"; "Appendix B Conference Participants"; "Appendix C Summary of Medically Assisted Conception: An Agenda for Research"

Sommario/riassunto

Research involving human fetuses and fetal tissue has been a subject of national debate and rancor for more than two decades. Despite the many demonstrated medical benefits of such research and the issuance of guidelines by various governmental and private ethics advisory bodies, federal support of this research has been severely curtailed. In 1993 the Institute of Medicine (IOM) sponsored a conference on fetal research and applications. This book examines the current state of fetal research and fetal tissue research. It contains an overview of research in the field and a short history on the regulatory and legislative actions governing the field. The bulk of the volume centers on ethical and legal issues of fetal research, preembryo research, fetal research, and fetal tissue transplantation. The volume also contains a full reprinting of the summary from the 1989 IOM book *Medically Assisted Conception: An Agenda for Research*, including the recommendations and research agenda suggested in that volume. Readers can therefore view that information in context with the suggestions and topics discussed at the conference. The background and research summarized in *Fetal Research and Applications* should provide insights for future progress and contribute to a fuller understanding of the social and ethical issues involved in this field.