Title: Edward R. B. McCabe collection of lecture and presentation slides and notes about medical genetics
Collection number: 434
Contributing Institution: UCLA Library Special Collections
Language of Material: English
Physical Description: 3.4 linear ft. (3 record storage cartons and 1 document box)
Date: 1970-2001
Abstract: Dr. Edward R. B. McCabe is a pediatrician and professor whose primary research interests include molecular genetics and systems biology with a focus on pediatric applications, including newborn disease screening, diagnosis and treatment of disorders such as: Sickle Cell Disease, Cystic Fibrosis, Severe Combined Immunodeficiency Disorder (SCID) and cytogenetic disorders. The collection consists of slides, notes, articles and correspondence related to his professional presentations, 1970-2001.
Language of Materials: Materials are in English.
Physical Location: Stored off-site at SRLF. Advance notice is required for access to the collection. Please contact the History and Special Collections for the Sciences, Louise M. Darling Biomedical Library Reference Desk for paging information.
Creator: McCabe, Edward R. B.
Restrictions on Access
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Restrictions on Use and Reproduction
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Preferred Citation
[Identification of item], Edward R. B. McCabe Collection of Lecture and Presentation Slides and Notes about Medical Genetics (Biomed Collection Number 433). UCLA Library Special Collections, History and Special Collections for the Sciences, Louise M. Darling Biomedical Library.
Provenance/Source of Acquisition
Processing Information
Processed by Kelly Besser, with assistance from Megan Hahn Fraser, in 2013. This collection was processed following the Guidelines for Efficient Archival Processing in the University of California Libraries.
Biography/History
Edward R. B. McCabe began his research career at the age of 15 in the Pediatric Research Laboratory at the University of Maryland School of Medicine. He received his B.A. in Biology with Honors from The Johns Hopkins University in 1967 and by 1974, he had earned his M.D. and his Ph.D. in Pharmacology from the University of Southern California.
He completed his Pediatric Residency at the University of Minnesota Hospitals in 1976 and a Metabolism Fellowship in 1978 at the University of Colorado Health Sciences Center (UCHSC). As a Fellow, he discovered Glycerol Kinase Deficiency, and proceeded to characterize the biochemical nature of this disorder as a University of Colorado faculty member in the Department of Pediatrics and the Department of Biochemistry from 1977-1986.
In 1986 Dr. McCabe moved to Baylor College of Medicine to teach and direct the Robert J. Kleberg, Jr. Clinical Center in the Institute for Molecular Genetics. At Baylor, Dr. McCabe cloned the gene involved in Glycerol Kinase Deficiency and the gene for Adrenal Hypoplasia Congenita. He developed molecular genetic strategies for the confirmatory diagnosis in newborn screening programs for Sickle Cell Disease, Cystic Fibrosis, and Medium Chain Acyl-CoA Dehydrogenase Deficiency.
In 1994 Dr. McCabe moved to the University of California at Los Angeles (UCLA), as executive chairman of the Department of Pediatrics and Physician-in-Chief of the Mattel Children’s Hospital, an institution that he established with a Mattel gift of $25 million. He also held the Mattel Endowed Chair of Pediatrics, and was professor of genetics as well as professor of bio-engineering. He founded and served as co-director of the UCLA Center for Society and Genetics and established the first program in nano-pediatrics.
In 2012, Dr. McCabe was named Senior Vice President and Medical Director of the March of Dimes Foundation where he oversees its medical and clinical initiatives while he serves as professor of pediatrics in clinical genetics and metabolism at
the University of Colorado School of Medicine.

Scope and Content
The collection consists of slides, notes, articles, and correspondence related to the professional presentations of Dr. Edward R. B. McCabe. It includes materials related to Dr. McCabe’s teaching and research on the following topics: newborn screening, mental retardation, genetics and molecular forensics, DNA testing and new technologies, neural tube defects, Human Genome Project, ethical issues in genetic testing, metabolic disorders, dysmorphology and genes involved in sexual differentiation.

Organization and Arrangement
The arrangement scheme for this collection maintains the creator's original order.

UCLA Catalog Record ID
UCLA Catalog Record ID: 7158518

Scope and Content
Materials include the following topics: UCLA Children's Hospital, metabolic emergencies, hypoglycemia, DNA diagnosis of infectious agents, amino acid toxicities, genetics and molecular forensics.

Scope and Content
Materials include the following topics: DNA testing and new technologies, galactosemia, genetics, neural tube defects, newborn screening, metabolic interrelationships and metabolic flux.

Box 3  Presentation slides, notes and articles. 1987-2000.
Scope and Content
Materials include the following topics: Human Genome Project, mental retardation, ethical issues in genetic testing, genetic screening, metabolic disorders and Turner Syndrome.

Scope and Content
Materials include the following topics: sex determination, gene therapy, complexity of single gene disorders, newborn screening, dysmorphology, bacterial infections and genes involved in sexual differentiation.