

CURRICULUM VITAE

Mark Luquette, M.D.



Dr. Mark Luquette is board certified in anatomic and pediatric pathology and has 22 years of experience including basic science:

- Pediatric and Perinatal Pathology Service
- Medical-Legal Review and private autopsies.
- Strategic planning and business plan development.
- Expansion of lab services, including construction.
- Molecular diagnostics, IHC, IF, FISH, EM.
- IT-hardware, software, programming.
- Telepathology systems development.
- Strong foundation in basic science.

Current Focus

I am a pediatric-perinatal pathologist with strong diagnostic, basic science, information technology and leadership skills. From 2009-2012, I was the Medical Director of the Laboratory at Dell Children's Medical Center (DCMC) in Austin TX. In November of 2012, I transferred to the Sunrise Children's Hospital, Las Vegas, NV. In November 2013 I relocated to Austin, TX, where I have family and opened a private practice doing consult and contract work including private autopsies.

In addition to pediatric and perinatal expertise, I have experience in electron microscopy, pediatric hematology (bone marrow, blood smears, flow cytometry), CSF cytology, BAL cytology, thyroid FNA, pediatric brain tumors, endomyocardial biopsies, and pediatric muscle and nerve biopsies. I also was a deputy medical examiner in Galveston, TX (1991-3). I have experience in medical-legal review including many depositions and trial in both civil and criminal courts.

See letter of recommendation from Sr. Theresa George, President and C.O.O. of DCMC at http://sokit.consultnow.org/LUQ_LOR_01.pdf .

Current Practice:

Path-Consults.com / Perinatal.pro
15803 Neenah Oak Loop
Austin, TX, 78717
mark@path-consults.com

Citizenship:

United States Citizen
Place of Birth: New Orleans, Louisiana
Date of Birth: 12/22/58

EDUCATION:

1976 - 1980 **Bachelor of Science, Biology**
 - University of New Orleans -

1980 - 1982 **Doctor of Medicine**
 - Louisiana State University, School of Medicine - M.D.
 - years 1 and 2 completed.

1982 - 1983 **Student Fellow, Pathology**
 - University of Alabama in Birmingham, School of Medicine

1983 - 1985 **Doctor of Medicine**
 - Louisiana State University, School of Medicine - M.D.
 - years 3 and 4 completed.

1985 - 1989 **Resident in Pathology**
 - Barnes Hospital, Washington University, School of Medicine

1989 - 1991 **Fellow in Pediatric Pathology**
 - Children's Hospital of Pittsburgh

BOARD CERTIFICATION:

American Board of Pathology
 08-30-1990 Anatomic Pathology
 05-31-1993 Pediatric Pathology

LICENSURE, MEDICAL:

State:	License #:	Issued:	Expired:	Status:
Louisiana	018253	08-13-1985	12-1986	Inactive
Pennsylvania	MD-045584-E	03-20-1990	12-2002	Inactive
Pennsylvania	MT-023116-T	07-xx-1990	06-1991	Inactive
Texas	H-9368	06-11-1991	12-2014	Active
Ohio	35-06-5465	07-21-1993	07-2008	Inactive
Nevada	14648	01-15-2013	06-2015	Active

Exam:	Date:	Status:
FLEX I – II	06-1985	Passed on Attempt 1
SPEX Exam	09-15-2009	Passed on Attempt 1

LICENSURE, OTHER:

Able Seaman, "Oil and Mineral" (time accrued for "Any Waters")
 Commercial Driver License, Class A, Endorsements (tanker, double-triple, hazmat)

PROFESSIONAL EXPERIENCE:*Service - Privileges:*

Pediatric surgical and autopsy pathology.
 Pediatric hematopathology (bone marrow core, aspirate, flow cytometry).
 Perinatal and placental pathology.
 Muscle and nerve pathology.
 Electron microscopy.
 Metabolic disease and mitochondrial disorders.
 Fine needle aspiration (perform and interpret).
 Informatics.

Teaching:

Instruction of medical students, residents, and fellows in above services.

Research:

- 1982-83 Hepatocarcinogenesis and methods in cell separation (laboratory of Thomas G. Pretlow, M.D.; Birmingham, AL.)
- 1985 Work with plasmids (laboratory of Garth Nicolson, M.D.; Houston, TX.)
- 1986-88 Protein chemistry, cell biology, immunology (laboratory of Robert Schreiber, Ph.D.; St.Louis, MO.)
- 1991-93 Principal Investigator: U.T.M.B. Galveston - Growth factors in mouse embryogenesis and biphenotypism in pediatric leukemias.
- 1993-97 Principal Investigator: Wexner Inst. for Pediatric Research - Growth factors in mouse embryogenesis, production of avian immunoglobulins, diagnosis of mitochondrial disorders.
- 1998-00 Principal Investigator: Study of mitochondria with flow cytometry, study of dystrophin associated proteins.
- 2001- 06 Principal Investigator: Study of mitochondrial DNA quantitation by high resolution digital fluorescence microscopy & flow cytometry; Ultraviolet sterilization of plasma; Fluorescent analysis of biological pigments; Gastrointestinal motility disorders (cajal plexus and actin isozymes). Automation of in situ hybridization for ploidy in paraffin sections. Development of methods in paraffin to analyze fetal-maternal hemorrhage.
- 2006-09 Principal Investigator: Diagnostic methods in dysmotility; Laboratory automation software.

APPOINTMENTS:

- 1991 - 1993 Univ. of Texas Med. Branch - Galveston, TX
 - Assistant Professor, Tenure Track
 - Departmental Review Committee, Pathology
 - Deputy Medical Examiner - Galveston County, TX
- 1993 - 2001 Ohio State University - Columbus Ohio
 - Associate Professor, Clinical
 - Member of Graduate Faculty
 - Pathology Research Committee
 - Pathologist, Comprehensive Cancer Center-
Transgenic Animal Facility

Children's Hospital - Columbus, Ohio

 - Staff Pathologist
 - Director of Muscle & Nerve Pathology
 - Director of Electron Microscopy
 - Member of Radiation Safety Committee
 - Representative and Review Pathologist for Cooperative Human Tissue Network

- 2001 – 2002 University of Pittsburgh – Pittsburgh, PA
 - Associate Professor, Clinical
 - Director of Developmental and Perinatal Pathology
 - IRB Committee
 - Perinatal Morbidity & Mortality Committee

- 2002 - 2006 Children's Hospital - Columbus, Ohio
 - Staff Pathologist
 - Director of Perinatal Pathology & Informatics, Section - Anatomic Pathology, Department - Laboratory Medicine

- 2002 - 2007 Ohio State University - Columbus Ohio
 - Associate Professor, Clinical

- 2006 - 2007 Perinatal Pathology Professionals - Dublin, OH
 - Lab Director, owner.

- 2007 - 2008 Children's Hospital – New Orleans, LA
 - Staff Pathologist

- 2009 - 2012 Dell Children's Medical Center – Austin, TX
 - Medical Director of Laboratory

- 2012 – 2013 LMC Laboratories – Las Vegas, NV
 - Staff Pathologist

- 2004 – 2014 Review Journal Articles for Modern Pathology

MEMBERSHIP IN SCIENTIFIC SOCIETIES:

- 2011 - 2014 American Society of Human Genetics
- 2000 - 2014 Association for Pathology Informatics
- 2000 - 2014 College of American Pathology
- 1990 - 2014 Society for Pediatric Pathology
- 1992 - 2014 U.S. & Canadian Academy of Pathology

- 2004 - 2007 American Motility Society
- 1993 - 2001 American Society for Cell Biology
- 1999 - 2002 United Mitochondrial Disease Foundation

GRANT SUPPORT:

1. Children's Hospital Research Foundation, Columbus, OH
Title: Growth Factors in Mouse Embryo Salivary Glands. (020-801)
Amount: **\$1894**
Time Period: 10-25-93 to 1-1-94
Involvement: Principal Investigator
Status: **Awarded**

2. Children's Hospital Research Foundation, Columbus, OH
Title: Growth Factors in Mouse Embryo Salivary Glands. (930913)
Amount: **\$30,000**
Time Period: 1-1-94 to 12-31-94
Involvement: Principal Investigator
Status: **Awarded**

3. Children's Hospital Research Foundation, Columbus, OH
Title: Growth Factors in Mouse Embryo Salivary Glands. (940910)
Amount: **\$33,728**
Time Period: 1-1-95 to 12-31-95
Involvement: Principal Investigator
Status: **Awarded**

4. National Cancer Institute
Title: Comprehensive Cancer Center - Core Grant
Amount: **\$37,000**
Time Period: 7-1-95 to 6-31-99
Involvement: Co-Investigator (no release time)
Status: **Awarded**

5. Children's Hospital Research Foundation, Columbus, OH
Title: Growth Factors in Mouse Embryo Salivary Glands. (950913)
Amount: **\$55,000**
Time Period: 1-1-96 to 12-31-96
Involvement: Principal Investigator
Status: **Awarded**

6. NIH AA12817
Title: Connective Tissue Growth Factor in Hepatic Fibrosis
Amount: **\$1,125,000**
Time Period: 2001-2006
Involvement: Co-Investigator (5% release time)
Status: **Awarded**

7. NIH 1R15 HD050299-01A1
Title: Determination of IGFBP-3 and -4 mRNA Downregulation by HB-EGF
Amount: **\$150,000**
Time Period: 2007-2010
Involvement: Advisor
Status: **Awarded**

CAPITAL EQUIPMENT AWARDS (*Competitive*):

- \$ 61,675 - Digital camera and work station on electron microscope. (2000)
- \$ 38,869 - Digital camera for light/fluorescent enable & work station. (2001)
- \$ 80,000 - Digital suites, gross, micro, scanning, projection, video (2001)
- \$ 33,830 - Digital camera, custom platform, and workstation for gross (2002)
- \$ 46,379 - Dual and multiheaded Zeiss Microscopes (2003)
- \$ 603,000 – Flow cytometry core facility (2011)**

BASIC SCIENCE & LAB SKILLS:

Solid Tissue Study:

- technical advisor for special histochemical stains, enzyme histochemistry, immunohistochemistry, immunofluorescence, and *in situ* hybridization.
- Ventana Benchmark XT
- transmission electron microscopy.
- fluorescent microscopy of pigments.

Animal Models:

Rodents:

- Segmental Intestinal Ischemia: An Improved Method of Producing Small Bowel Injury
- A Standardized Model of Partial Thickness Scald Burns in Mice

Avians:

- Production of antibodies in Japanese Quail

In Vitro:

- General Cell Culture and Organ Culture
- Cell Bioassays and Binding Assays
- RIA and ELISA
- Cell Separation
- Flow Cytometry

Proteins:

- FPLC
- Column Chromatography
- SDS-PAGE and Western Blot
- Protein Determinations
- Protein Sequencing
- Glycosylation of Proteins

Nucleic Acids:

- Propagation and Restriction of Plasmids
- Isolation of RNA from Tissue
- RT-PCR
- Electrophoresis
- DNA Sequencing

Radioisotopes:

¹²⁵I, ³H, ³²P, ³³P, ³⁵S

Other Radiation:

UVC, Arc Lamps, HID Lamps

COMPUTER SKILLS:

Operating Systems: Microsoft, UNIX, Apple.

Programming: HTML, Visual Basic, JavaScript, Perl.

Applications:

Microsoft: Office (Word, Excel, Power Point, Access).

Corel: WordPerfect, Presentations, Quattro Pro.

Apple: iMovie, Office Mac

Adobe: Acrobat, Illustrator, Photoshop.

Utilities: Registry and Hard drive maintenance, Hard drive configuration and diagnostics, Multiboot, File Compression.

Network:

- Cisco, CheckPoint, eEye, McAfee, Sonicwall.
- CLI configuration of Cisco firewalls and switches; VPN configuration.
- Security, surveillance, penetration and traffic analysis.

Servers:

- Web (Unix, Apache), and Video Servers (Axis).
- Microsoft (Administration of file servers).

Web-Deployments:

- Designed and implemented electronic abstract submission platform for Society for Pediatric Pathology. Perl scripts executed at buildabyte.com
Was given "**President's Award**" in SPP by Dr. Jeff Goldstein to recognize this contribution to the society.
- Perinatal.Pro, wrote website and interface software for credit card engine.
- Path-Consults.com, current business site.
- "Mock CLS" perl script submitted to "PlaneSourceCode" 06-29-07. Code available at:
<http://www.planet-source-code.com/vb/scripts/ShowCode.asp?txtCodeId=760&lngWId=6>

INVITED LECTURES:

May 1998	Osler Institute - Pathology Review Course (Pediatric Pathology, Neoplasia, and Soft Tissue Tumors).
May 1999	Osler Institute - Pathology Review Course (Pediatric Pathology, and Neoplasia).
January 27, 2000	Hospital Grand Rounds: Children's Hospital, Columbus, OH. "So many lab tests: So little time – How to deal with Information Overload."
April 15, 2000	Ohio Lab Net Retreat "So many lab tests : So little time – How to deal with Information Overload."
May 2000	Osler Institute - Pathology Review Course (Neoplasia and Inflammation).

October 2000	Osler Institute - Pathology Review Course (Pediatric Pathology, Neoplasia, Inflammation, and Soft Tissue).
May 2001	Osler Institute - Pathology Review Course (Pediatric Pathology, Neoplasia and Inflammation).
October 2002	Osler Institute - Pathology Review Course (Pediatric Pathology, Neoplasia and Inflammation).
May 2003	Osler Institute - Pathology Review Course (Pediatric Pathology, Neoplasia and Inflammation).
November 2003	Osler Institute - Pathology Review Course (Pediatric Pathology, Neoplasia and Inflammation).
June 2004	Osler Institute - Pathology Review Course (Pediatric Pathology, Neoplasia and Inflammation).
October 2004	Osler Institute - Pathology Review Course (Pediatric Pathology, Neoplasia and Inflammation).
May 2005	Osler Institute - Pathology Review Course (Pediatric Pathology, Neoplasia and Inflammation, Soft Tissue). "Honored Speaker"
October 2005	Osler Institute - Pathology Review Course (Pediatric Pathology, Neoplasia, Inflammation, and Soft Tissue Tumors).
May 2007	Osler Institute - Pathology Review Course (Pediatric Pathology, Neoplasia, and Inflammation).

PATENTS & TRADEMARKS:

6,104,286 Title: "[Monitoring Alarm Systems](#)"

http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO1&Sect2=HITOFF&d=PALL&p=1&u=%2Fmetahtml%2FPTO%2Fsrc_hnum.htm&r=1&f=G&l=50&s1=6,104,286.PN.&OS=PN/6,104,286&RS=PN/6,104,286

Inventor: Mark Luquette (sole inventor with exclusive rights).

Status: Issued 8-15-00

Description: Electronic interface between residential AC powered smoke / heat / and carbon monoxide detectors with battery back-up to central alarm panels.

LEGISLATIVE ACTION:

Public Health Service Act: Spear headed initiative to amend the act to allow students to do fellowships without their loan going into repayment status. An amendment was offered by Mrs. Boggs as recorded in the Federal Register H9170 on September 6, 1984 in which I am specifically referenced. It later became law (Public Law 99-129 - October 22, 1985) as recorded HR2410, 99 STAT. 532-533 and was made retroactive to June 17 1982 to include my time in medical school.

ARTICLES IN PEER REVIEWED JOURNALS:

1. **Mark H. Luquette**, Pam M. Kimball, Theresa P. Pretlow, Guillermo A. Herrera, Thomas G. Pretlow: "Vascular Sarcomas (Probably Angiosarcomas) Transplanted from Suspensions of Liver Cells from Diethylnitrosamine - Treated Rats", *Laboratory Investigation*, 53:546-555, 1985.
2. Pauli O. Leinikki, Jesus Calderon, **Mark H. Luquette**, and Robert D. Schreiber: "Reduced Receptor Binding by a Human Interferon Gamma Fragment Lacking 11 Carboxy - Terminal amino Acids", *Journal of Immunology*, 139:3360-3366, 1987.
3. Chang Y. Tsao, Francis Wright, Carl Boesel, and **Mark Luquette**: "Partial NADH Dehydrogenase Defect Presenting as Spastic Cerebral Palsy", *Brain and Development*, 16:393-5, 1994.
4. Raj Kapur, Derek deSa, **Mark Luquette**, and Ronald Jaffe: "Hypothesis: Pathogenesis of Skip Areas in Long-Segment Hirschsprung Disease", *Pediatric Pathology and Laboratory Medicine*, 15:23-37, 1995.
5. Gregory Kim, Gail Besner, Christy Steffen, Diane McCarthy, Marc Downing, **Mark Luquette**, Mark Abad, and David Brigstock: "Purification of Heparin-Binding EGF-Like Growth Factor from Pig-Uterine Luminal Flushings and It's Production by Endometrial Tissues", *Biology of Reproduction* 52:561-71, 1995.
6. Diane W. McCarthy, Marc T. Downing, David R. Brigstock, **Mark H. Luquette**, Kenneth D. Brown, Mark S. Abad, and Gail E. Besner: "Production of Heparin-Binding Epidermal Growth Factor-Like Growth Factor (HB-EGF) at Sites of Thermal Injury in Pediatric Patients" *J. of Investigative Dermatology* 106:49-56, 1996.
7. T.W. Prior, C. Bartolo, A.C. Papp, P.J. Snyder, M.S. Sedra, A.H.M. Burghes, J.T. Kissel, **M.H. Luquette**, C-Y Tsao, and J.R. Mendell: " Dystrophin Expression in a Duchenne Muscular Dystrophy Patient with a Frame shift Deletion", *Neurology*, 48:486-8, 1997.
8. James Shaffer, Elizabeth Allen, Jonathan Groner, William Barson, **Mark Luquette**, and Mark Hogan: "Massive Hemoptasis as the Presenting Manifestation in a Child with Histoplasmosis", *Pediatric Pulmonology*, 24:57-60. 1997.
9. Marc T. Downing, David R. Brigstock, **Mark H. Luquette**, Missy Crissman-Combs, and Gail E. Besner: "Immunohistochemical Localization of Heparin-Binding Epidermal Growth Factor - Like Growth Factor in Normal Skin and Skin Cancers", *Histochemical J.*, 29:735-744, 1997.

10. Chang-Yong Tsao, **Mark Luquette**, Jerome Russin, Gretchen Herr, C. Lawrence Kien, and Grant Morrow: "Leigh Syndrome, Cytochrome C Oxidase Deficiency and Hypsarrhythmia with Infantile Spasms" Clin. Electroencephalography, 28:214-217, 1997.
11. Chang-Yong Tsao, Jerry Mendell, Jerome Russin, and **Mark Luquette**: "Congenital Muscular Dystrophy with Complete Laminin- α 2 Deficiency, Cortical Dysplasia and Cerebral White Matter Changes in Children." J. Child Neurology, 13:253-256, 1998.
12. Srikumar B. Pillai, **Mark Luquette**, Philip T. Nowicki, and Gail Besner: "Segmental Intestinal Ischemia: An Improved Method of Producing Small Bowel Injury." J. of Investigative Surgery 11:123-128, 1998.
13. Randolph Cribbs, **Mark Luquette**, and G. Besner: "A Standardized Model of Partial Thickness Scald Burns in Mice", J. of Surgical Research 80: 69-74, 1998.
14. C. Bethel, **M. Luquette**, and G. Besner: "Cystic Degeneration of the Heterotopic Pancreas" Pediatr. Surg. Int. 13:428, 1998.
15. Randolph Cribbs, **Mark Luquette**, and Gail Besner: "Acceleration of Partial-Thickness Burn Wound Healing with Topical Application of HB-EGF", J. of Burn Care And Rehab. 19:95-101, 1998.
16. Larry A. Binkovitz, Fredrick R. Long, **Mark Luquette**, and Thomas J. Sferra: "Technical Innovation: Fluoroscopically-Guided Biopsies of the Stomach and Duodenum through a 10 Fr Feeding Tube", American J. of Roentgenology. 172:1025, April 1999.
17. C.M. Sue, C. Bruno, A.L. Andreu, A Cargan, J.R. Mendell, C-Y Tsao, **M. Luquette**, J. Paolicchi, S. Shanske, S. DiMauro, D.C. DeVivo: "Infantile Encephalopathy Associated with the MELAS A3243 Mutation", J. Pediatrics 134:696-700, 1999.
18. Srikumar B. Pillai, Christina E. Hinman, **Mark H. Luquette**, Philip T. Nowicki, and Gail Besner: "Heparin-Binding EGF-Like Growth Factor Protects Rat Intestine From Ischemia/Reperfusion Injury", Journal of Surgical Research, 87(2): 225-31, Dec. 1999.
19. Chang-Yong Tsao, Jerry Mendel, Warren Lo, **Mark Luquette**, and Jerome Russin, "Mitochondrial respiratory chain defects presenting as non-specific features in children", J. of Child Neurology, 15: 445-448, July 2000.
20. Chang-Yong Tsao, Jerry Mendel, Warren Lo, **Mark Luquette**, and Robert Rennebohm, "Myasthenia gravis and associated autoimmune disease in children", J. of Child Neurology 15(11):767-9, November 2000.
21. Chang-Yong Tsao, et al including Mark **Luquette**: "Mitochondrial DNA Depletion in Children", J. of Child Neurology 15(12):822-4, December 2000.
22. G. Xia, M. Lara-Marquez, **M.H. Luquette**, S. Glenn, A. Haque, and G.E. Besner: "Heparin-binding EGF-like growth factor decreases inducible nitric oxide synthase and nitric oxide production after intestinal ischemia/reperfusion injury", Antioxid Redox Signal, 3(5):919-30, Oct. 2001.

23. Randolph Cribbs, Paul Harding, **Mark Luquette**, and Gail Besner: "Endogenous production of heparin-binding EGF-like growth factor during murine partial-thickness burn wound healing," *J Burn Care Rehabil.*, 23(2):116-25, Mar-Apr 2002.
24. Tung Wynn, Fredrick Ruymann, Dennis King, and **Mark Luquette**: "Second pregnancy-associated Wilms tumor 16 years after the first one", *Medical & Pediatric Oncology*, 40:120-134, 2003.
25. AW Rachfal, **MH Luquette**, and DR Brigstock: "Expression of connective tissue growth factor (CCN2) in desmoplastic small round cell tumor", *J Clin Pathol*; 57:422-425, 2004.
26. E Gilbert-Barness, T Fox, G Morrow, **M Luquette**, HH Pomerance: "Williams syndrome associated with Crohn's disease, multiple infections, and chronic granulomatous disease." *Fetal Pediat Pathol.* 23(1):29-37, 2004 Jan.
27. AE Martin, **MH Luquette**, GE Besner: "Timing, route, and dose of administration of heparin-binding epidermal growth factor-like growth factor in protection against intestinal ischemia-reperfusion injury." *J Pediatr Surg.* 40(11):1741-7, 2005 Nov.
28. MO Amosu, HM Mousa, **M Luquette**. "Clinical Challenges and Images in GI. Microvillous inclusion disease." *Gastroenterology.* 132(4):1225, 1639; 2007 Apr.
29. I Akyola, VR Jayanthib, and **M Luquette**: "Verrucous Hemangioma of the Glans Penis." *Urology* 72(1):230e15-16, July 2008.
30. van den Berg MM, Di Lorenzo C, Mousa HM, Benninga MA, Boeckxstaens GE, **Luquette M**. "Morphological changes of the enteric nervous system, interstitial cells of cajal, and smooth muscle in children with colonic motility disorders." *J Pediatr Gastroenterol Nutr.* 2009 Jan;48(1):22-9.
30. S Sathyamoorthi, J Morales, J Bermudez, L McBride, **M Luquette**, R McGoey, N Oates, S Hales, J Biegel, Y Lacassie: "Array Analysis and Molecular Studies of INI1 in an Infant with Deletion 22q13 (Phelan-McDermid Syndrome) and Atypical Teratoid/Rhabdoid Tumor." *Am J Med Genet A.* 2009 May;149A(5):1067-9.
31. Gumus P, **Luquette M**, Haymon ML, Valerie E, Morales J, Vargas A.: "Virilizing para-adrenocortical adenoma associated with idiopathic-acquired generalized anhidrosis in an adolescent girl." *J Pediatr Endocrinol Metab.* 2011;24(3-4):233-5.

ABSTRACTS:

1. **Mark H. Luquette**, Pam M. Kimball, Theresa P. Pretlow, Guillermo A. Herrera, Thomas G. Pretlow: "Angiosarcomas Transplanted from the Livers of Carcinogen-Treated Rats", Federation Proceedings 42:786, 1983.
2. P. Leinikki, **M. Luquette**, J. Calderon, and R. Schreiber: "Reduced Receptor Binding by a Human Interferon Gamma Fragment Lacking 11 Carboxy-Terminal Amino Acids", Federation Proceedings, 46:769, 1987.
3. Samuel Smith, Richard Jackson, Eduardo Yunis, **Mark Luquette**, and Marc Rowe: "Prevention of Graft Rejection Does Not Decrease Bacterial Translocation in Allogeneic Small Bowel Transplantation." Presentation - Meeting of the Society of University Surgeons, Feb. 1990.
4. **Mark Luquette** and Lila Penchansky: "Aberrant Immunophenotype as a Marker for Congenital Leukemia in Down Syndrome", Laboratory Investigation 64(1): 7P, 1991.
5. **Mark Luquette**: "Different Molecular Weight Forms of Epidermal Growth Factor are Present in the Urine of Pregnant and Non-pregnant Mice." Amer. Soc. Cell Biol. - Hot Abstracts Session - Supplement - 12-15-93.
6. **Mark Luquette** and Gwen Steele: "TGF- α as a Putative Autocrine/Paracrine Growth Factor in the Mouse Embryo Salivary Gland." Mol. Biol. of the Cell, 5(supplement): 349a, 1994.
7. M.T. Downing, D.R. Brigstock, D.W. McCarthy, K.D. Brown, **M. H. Luquette**, and G.E. Besner: "Immunohistochemical Detection of Heparin-Binding EGF-Like Growth Factor (HB-EGF) in Epithelia", Mol. Biol. of the Cell, 5(supplement): 140a, 1994.
8. **Mark Luquette**: "Japanese Quail as a Host for Generating Antibodies for Bioassays" Mol. Biol. of the Cell, 6(supplement): 445a, 1995.
9. M.T. Downing, D.W. McCarthy, D.R. Brigstock, **M.H. Luquette**, and G.E. Besner: "Production of Heparin-Binding EGF-Like Growth Factor (HB-EGF) at Sites of Thermal Injury", Growth Factor and Wound Healing Symposium: Basic Science and Potential Clinical Applications. Serono Symposium, Boston, MA, Sept. 29, 1995.
10. C. Tsao, **M. Luquette**, and W. Lo: "Respiratory Chain Defects in Children", Child Neurology Society - 24th Annual Meeting, Special Poster Session, Oct.26, 1995.
11. C. Tsao, C. Bartolo, **M.H. Luquette**, J.R. Mendell, and T.W. Prior: "A Novel Mechanism for the Expression of Dystrophin in a DMD Patient", Neurology, 46(S): A214, 1996.
12. **Mark Luquette** and Gwen Steele: "Genes for Five Members of the Epidermal Growth Factor Family Are Expressed During Mouse Embryo Salivary Gland Morphogenesis", Mol. Biol. of the Cell - Hot Abstracts Session, December 1996.
13. Randolph Cribbs, **Mark Luquette**, and Gail Besner: "Acceleration of Partial-Thickness Burn Wound Healing with Topical Application of HB-EGF", Meeting of the American Burn Association, March 20, 1996.

14. Srikumar B. Pillai, **Mark Luquette**, Philip T. Nowicki, and Gail Besner: "Heparin- Binding EGF-Like Growth Factor Reduces Intestinal Injury After Ischemia", Mol. Biol. of the Cell, 8(supplement): 8a, 1997.
15. M.A. Crissman-Combs, M.T. Downing, D.R. Brigstock, **M.H. Luquette**, and G.E. Besner: "Immunohistochemical Localization of Heparin-Binding EGF-Like Growth Factor in Diseased Skin", Mol. Biol. of the Cell, 8(supplement): 241a, 1997.
16. **Mark Luquette**: "Fiber Typing in Muscle Biopsies - a Comparison of ATPase Stains with Immunostains for Myosin Heavy Chain", Laboratory Investigation, 78: 3P, 1998.
17. Christina Hinman, Marc Downing, **Mark Luquette**, and Gail Besner: "A Model of Intestinal Ischemia – Reperfusion Injury in Weanling Rats", Columbus Surgical Society, 10th Annual Presidential Symposium, 2-20-98. <2nd Place Award>
18. **Mark Luquette**: "PACS as a Core Image Archive for the Hospital", (presentation at APIII-2000), Archives in Pathology and Laboratory Medicine.
http://apiii.upmc.edu/abstracts/posterarchive/2000/luquette_4.html
19. **Mark Luquette**: "VPN-PPP and PC Anywhere(= High Speed Remote Access and Inexpensive Telepathology" (presentation at APIII-2000), Archives in Pathology and Laboratory Medicine.
http://apiii.upmc.edu/abstracts/posterarchive/2000/luquette_2.html
20. **Mark Luquette**: "The Dynamic Lab Report – an HTML Mock Output", (presentation at APIII-2000), Archives in Pathology and Laboratory Medicine .
http://apiii.upmc.edu/abstracts/posterarchive/2000/luquette_1.html
21. **Mark Luquette**: "Digital Dictation using Wave Analysis Software and Programmable Peripherals - a Working Model " (presentation at APIII-2000), Archives in Pathology and Laboratory Medicine
[.http://apiii.upmc.edu/abstracts/posterarchive/2000/luquette_3.html](http://apiii.upmc.edu/abstracts/posterarchive/2000/luquette_3.html)
22. **Mark Luquette**: "Secure File Transfer, Do it yourself, inexpensively" (presentation at APIII-2001), Archives in Pathology and Laboratory Medicine, 126:781 – 802, July 2002.
http://apiii.upmc.edu/abstracts/posterarchive/2001/abs_include.cfm?file=luquette.html
23. **Mark Luquette**: "Comparison Testing of High-End Digital Cameras for Gross Photography" (presentation at APIII-2002), Archives in Pathology and Laboratory Medicine .
http://apiii.upmc.edu/abstracts/posterarchive/2002/abs_include.cfm?file=luquette.html
24. **Mark Luquette**: "Comparison of Applications for Remote Control of Personal Computers "Differences in Cost, Performance, and Security" (presentation at APIII-2003), Archives in Pathology and Laboratory Medicine.
http://apiii.upmc.edu/abstracts/posterarchive/2003/abs_include.cfm?file=luquette1.html
25. J Henry, R Baker, **M Luquette**, T Yanowitz: "In-Utero Meconium And Adverse Outcomes In Very Low Birth Weight Infants." 44th Annual Midwest Society for Pediatric Research Scientific Meeting, Thursday, October 16, 2003

26. **Mark Luquette**, H Mousa, SM Miller: "Histopathologic classification of dysmotile bowel with a diminished Cajal plexus", Enteric Neuroscience Program, Mayo College of Medicine, Rochester, MN (presentation at American Motility Society 2004).
 27. **Mark Luquette** and M. Uddin: "Detection of immunoglobulin light chains in paraffin sections using an alkaline phosphatase substrate and fluorescent excitation" (abstract presented at joint SPP/PPS meeting in Tours, France, August 31 – September 3, 2005). *Pediatric and Developmental Pathology Volume 9, Issue 5 (September 2006)*
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 30. MM van den Berg, HM Mousa, C Di Lorenzo, MA Benninga, GEE Boeckxstaens, **M Luquette**: "Abnormalities of the enteric nervous system, smooth muscle and interstitial cells of Cajal in children with colonic motility disorders", (abstract accepted for *Digestive Disease Week*, May 2006).
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 33. JJ Monagas, AJ Rosenberg, **M Luquette**: "Ischemic colitis in a one year old." (poster presented at North American Society for Pediatric Gastroenterology, Hepatology and Nutrition Thursday, November 13, 2008, cited on poster)
 34. **M Luquette** and R Craver: "Diagnostic Use of the Calretinin Immunostain in Rectal Biopsies to Rule Out Hirschsprung's Disease: An 18 Month Review of Practice, and a Comparison of Local vs Referred Patients." SPP/PPS Combined Fall Meeting, Philadelphia October 14-17, 2009
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