

CURRICULUM VITAE

Diane Felsen, Ph.D.

Office Address:

Weill Medical College of Cornell University
Department of Urology
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Education and Professional Experience :

B.A., Chemistry - June 1974
Queens College of the City University of New York

Ph.D., Pharmacology - June 1979
City University of New York Graduate Program
at Mt. Sinai School of Medicine , New York, New York

Department of Pharmacology
Washington University Medical School, St. . Louis, MO
4/79 - 7/81 Post-doctoral Fellow, Laboratory of Dr. Philip Needleman

10/80 -4/81 Post-Doctoral Fellow, Laboratory of Dr. Oliver H. Lowry

Departments of Surgery and Pharmacology
Cornell University Medical College

9/81 - 8/82 Instructor of Pharmacology in Surgery (Urology)
Instructor of Pharmacology
9/82- 6/89 Assistant Professor of Pharmacology in Surgery (Urology)
Assistant Professor of Pharmacology

Department of Surgery (Division of Urology)
Cornell University Medical College

7/89- 6/93 Associate Research Professor of Pharmacology
in Surgery (Urology)

Department of Urology, Weill Medical College of Cornell University

7/93 - present Associate Research Professor of Pharmacology in Urology

Professional Societies

American Society for Pharmacology and Experimental Therapeutics

American Urological Association

Society for Basic Urologic Research - President 2003-2004

American Association for the Advancement of Science

New York Academy of Sciences

American Women in Science

Sigma Xi

Society of Women in Urology

Institutional Responsibilities:

Research (including resident and student training in lab) - 95 %

Administrative & Committees (5%) :

Member - Security Committee - WMC.

Member: Advanced Basic Sciences Curriculum Committee - WMC

Member: Post-doc Committee

AUA Committees:

NIDDK Steering Committee

Program Committee

Research Council

Research Priorities Group

Grant Support

Current Support: NIDDK: Ureteral Obstruction: Role of TGF- β and Nitric Oxide 50% effort
09/01 - 08/05 \$850,000

Submitted: Pressure induces epithelial mesenchymal transition. R-21 application. 25% effort. 02/05
- 01/07 \$275,000 requested.

Previous Awards:

New York Kidney Foundation: Differential prostaglandin synthesis in models of ureter obstruction, 7/82-6/83.

Cornell University Medical College: Biomedical Research Support Grant. Synthesis of Hepatic Lipoxygenase Products, 7/82 - 6/83.

Cornell University Medical College: Biomedical Research Support Grant. Role of Acetyl glyceryl Ether Phosphorocholine in Renal Function, 7/83 -6/84.

National Institute of Health: Hepatotoxic Role of Kupffer Cell Arachidonate Products, 1/1/86 - 12/31/88.

National Institute of Health: Interstitial Cystitis: Inflammatory Mediator Involvement, 9/30/89 - 8/31/92.

Synaptic Pharmaceuticals, Paramus, NJ: Alpha-adrenergic receptors in prostate. 1/1/93 - 6/30/93. Renewed: 7/1/93-12/31/93 (Contract).

National Institute of Health: Bladder Extracellular Matrix Changes in Aging & Disease. 9/30/94 - 9/29/97. Role: Principal Investigator 55% effort.

United States Surgical Corporate Funding 7/97 - 4/02 5% effort
Minimally Invasive Surgery laboratory \$279,830/year

2R42DK 50505-02A1 NIH-SBIR grant 7/98 -6/00 10% Effort.
Growth Factor Enhanced solder for laser tissue welding

PROFESSIONAL APPOINTMENTS

June, 1991: Member, Ad Hoc Study Section to review Interstitial Cystitis grants submitted in response to RFA.

October 1992 - present: Member, Interstitial Cystitis Data Base, Advisory Board

June, 1993: Member, Ad Hoc Study Section to review Interstitial Cystitis grants submitted in response to RFA.

April 1994 - April 1996 Member, Executive Board, Society for Basic Urologic Research

July 1994: Member, Special Review Committee, NIDDK Site Visit for application 2PO1 DK-42717, La Jolla, CA.

July 1995: Member, Special Review Committee, NIDDK review of application , P01- DK-49877-01A1, Baltimore, MD.

Oct. 1995: Member, Research Grant Review Committee (AFUD), New Orleans, LA.

Nov. 1995: Member, Special Review Committee, NIDDK review of grants in response to RFA, Bethesda, MD.

July 1996: Member, Special Emphasis Panel (Urology) Review Group, Bethesda MD.

July 1996 - : Consultant, Grant on Collagen Processing in Female Stress Incontinence, Dr. Gopal Badlani, PI, Long Island Jewish Medical Center, NY.

American Urological Association: Research Funding committee - Member

November 1996: Member, Special Emphasis Panel (Urology) Review Group, Bethesda MD

March 1997: Member, Special Emphasis Panel (Urology) Review Group, Gaithersburg, MD

June 1998: Member, Ad Hoc Study Section, Baltimore, MD.

November, 1999: Member, Special Emphasis Panel (Urology) Review Group, Bethesda MD

November 2001 Member, Special Emphasis Panel (Urology) Review Group, Bethesda MD

March 2002 Member, Special Emphasis Panel (Urology) Review Group, Bethesda MD

April, 2002 : Vice-President [President-Elect] Society for Basic Urologic Research

April 2002: Member: Renal and Urologic Sciences Study Section Boundaries Team

November 2002 Member, Special Emphasis Panel (Urology) Review Group, Bethesda MD

May 2003- May 2004 - President, Society for Basic Urologic Research

March 2004 - Member - Urologic and Kidney development and Genitourinary Diseases [UKGD] Study Section [Ad Hoc]

May 2004: 2004 Academic Medicine Mentor, Bristol-Meyers Squibb

July 2004: Member - UKGD study section [Ad Hoc]

October 2004: Member - UKGD study section [Ad Hoc]

May 2005: Member - UKGD study section [permanent]

Reviewer for:

Journal of Urology

Journal of Clinical Investigation

American Journal of Physiology

American Journal of Pathology

Urology

Kidney International

Israel Science Foundation

Swiss National Science Foundation

Nephrology

Publications

Under former name: Reingold

1. Orlowski M, Reingold D, Stanley ME: D-and L-Stereoisomers of Allylglycine: Convulsive Action and Inhibition of Brain L-Glutamate Decarboxylase. *J Neurochem* 28:349-353, 1977.
2. Reingold DF, Orlowski M: Inhibition of Human and Mouse Brain Glutamate Decarboxylase by the α -Keto Analogs of Cysteine and Homocysteine. *Biochem Pharmacol* 27:2567-2570, 1978.
3. Reingold DF, Orlowski M: Inhibition of Brain Glutamate Decarboxylase by 2-Keto-4-Pentenoic Acid, a Metabolite of Allylglycine. *J Neurochem* 32:907-913, 1979.
4. Reingold DF, Needleman P: Eicosapentaenoic Acid and the Triene Prostaglandins: Pharmacology and Therapeutic Potential. *Trends Pharm Sci* 1:359-361, 1980.
5. Reingold DF, Watters K, Holmberg SW, Needleman P: Differential Biosynthesis of Prostaglandins by Hydronephrotic Rabbit and Cat Kidneys. *J Pharm Exp Ther* 216:510-515, 1981.
6. Reingold DF, Kawasaki A, Needleman P: Prostaglandin 11-Keto Reductase: A Novel Enzymatic Activity Found Exclusively in Rabbit Liver. *Biochim Biophys Acta* 659:179-188, 1981.

Under current name: Felsen

7. Loo MH, Marion DN, Vaughan ED Jr, **Felsen D**, Albanese C, Spellman M Jr: Effect of Chronic Unilateral Ureteral Obstruction on Renal Function in Rabbits: Possible Role of Thromboxane. *Surg Forum* 35:642-644, 1984.
8. Weisman SM, **Felsen D**, Vaughan ED Jr: Platelet-Activating Factor is a Potent Stimulus for Renal Prostaglandin Synthesis: Possible Significance in Unilateral Ureteral Obstruction. *J Pharm Exp Ther* 235:10-15, 1985.
9. Weisman SM, **Felsen D**, Vaughan ED Jr: Indications and Contraindications for the Use of Nonsteroidal Anti-Inflammatory Drugs in Urology. *Seminars in Urology* 3:301-310, 1985.
10. Weisman SM, **Felsen D**, Vaughan ED Jr: Effect of Sodium Intake on Renal Prostaglandin Production. *Proc Soc Exp Biol Med* 181:357-363, 1986.
11. Loo MH, Marion DN, Vaughan ED Jr, **Felsen D**, Albanese CT: Effect of Thromboxane Inhibition on Renal Blood Flow in Dogs with Complete Unilateral Ureteral Obstruction. *J Urol* 136:1343-1347, 1986.
12. Loo MH, Marion D, Vaughan ED Jr, Moody TE, **Felsen D**, Weisman SM: Thromboxane A₂ receptor blockade fails to reverse the increased renovascular resistance following unilateral ureteral occlusion. *Surg Forum* 37:650-652, 1986.
13. Loo MH, Egan D, Vaughan ED Jr, Marion DN, **Felsen D**, Weisman SM: The Effect of the Thromboxane A₂ Synthesis Inhibitor OKY-046 on Renal Function in Rabbits Following Release of Unilateral Ureteral Obstruction. *J Urol* 137:571-576, 1987.
14. **Felsen D**, Loo MH, Vaughan ED Jr: Effect of Ureteral Obstruction on Renal Hemodynamics. *Seminars in Urology* 5:160-166, 1987.
15. Weisman SM, Freund RM, **Felsen D**, Vaughan ED Jr: Kadsurenone differentially affects platelet-activating factor and peptide-stimulated prostaglandin release in unilateral ureteral obstruction, in New Horizons in Platelet Activating Factor Research, Winslow C.M. and Lee M.L. (eds), John Wiley, Chichester, pp. 329-334, 1987.
16. Lysz TL, **Felsen D**, Sprecher H: Anti-aggregatory and Contractile activity of Analogues of Prostaglandins E₁, D₁ and H₁. *Bioch Pharmacol* 36:3533-3535, 1987.
17. **Felsen D**, Ernsberger P, Meeley M, Reis DJ: Clonidine Displacing Substance is Biologically Active on Smooth Muscle. *Eur J Pharmacol* 142:453-455, 1987.

18. Duhaney R, Meyer JD, **Felsen D**, Vaughan ED Jr, Yurt RW, Davis JM: Human Neutrophil (PMN) chemotaxis to and Generation of Leukotriene B4 after burn injury. *Surg Forum* 38:109-110, 1987.
19. Loo MH, **Felsen D**, Weisman SM, Marion DN, Vaughan ED Jr: Pathophysiology of Obstructive Nephropathy. *World J Urol* 6:53-60, 1988.
20. Weisman SM, Freund RM, **Felsen D**, Vaughan ED Jr: Differential effect of Platelet-Activating Factor (PAF) Receptor Antagonists on Peptide and PAF Stimulated Prostaglandin Release in Unilateral Ureteral Obstruction. *Biochem Pharmacol* 37:2927-2932, 1988.
21. Silen ML, Hesse DG, Felsen D, Moldawer LL, Calvano S, Seniuk S, Cerami A, Lowry SF: Cachectin/Tumor Necrosis Factor Production by Fetal and Newborn Rat Hepatic Macrophages. *J Ped Surg* 24:34-38, 1989.
22. Somers WJ, **Felsen D**, Chou T-C, Marion DN, Chernesky CE, Vaughan ED Jr: An In Vivo Evaluation of Alpha-2 Adrenergic Receptors in Canine Prostate. *J Urol* 141:1230-1233, 1989.
23. Keogh C, Fong Y, Marano MA, Seniuk S, Wei H, Barber A, Minei J, **Felsen D**, Lowry SF, Moldawer LL: Identification of a novel tumor necrosis factor/cachectin from the livers of burned and infected rats. *Archives of Surgery* 125:79-85, 1990.
24. **Felsen D**, Loo MH, Marion DN, Vaughan E D Jr: Involvement of platelet activating factor and thromboxane A₂ in the renal response to unilateral ureteral obstruction. *J Urol* 144:141-145, 1990.
25. **Felsen D**, Vaughan ED Jr: This month in investigative urology: Platelet activating factor: A mediator of renal pathology? *J Urol* 144:140, 1990.
26. **Felsen D**, Frye S, Vaughan ED Jr: Inflammatory mediators and interstitial cystitis. *Seminars in Urology* 9:102-107, 1991.
27. Meeley MP, Hensley ML, Ernsberger P, **Felsen D**, Reis DJ: Evidence for a bioactive clonidine-displacing substance in peripheral tissues and serum. *Biochemical Pharmacol* 44:733-740, 1992.
28. Breslin D, Fields DW, Chou-TC, Marion DN, Kane M, Vaughan ED Jr, **Felsen D**: Medical Management of Benign Prostatic Hyperplasia: A canine model comparing the In Vivo efficacy of Alpha-1 adrenergic antagonists in the prostate. *J Urol* 149:395-399, 1993.
29. Perlmutter AP, Miller L, Trimble LA, Marion DN, Vaughan Jr ED, **Felsen D**: Toradol, an NSAID used for renal colic, decreases renal perfusion and ureteral pressure in a canine model of unilateral ureteral obstruction. *J Urol* 149:926-930, 1993.
30. **Felsen D**, Ernsberger P, Sutaria PM, Nejat RJ, Nguyen P, May M, Breslin D, Marion DN, Vaughan ED Jr: Identification, localization and functional analysis of imidazoline and α -adrenergic receptors in canine prostate. *J Pharm Exp Ther* 268:1063-1071, 1994.
31. Thompson WA, Coyle SM, VanZee KJ, Oldenburg HSA, Trousdale R, Rogy MA, Felsen D, Moldawer LL, Lowry SF: The metabolic effects of platelet-activating factor antagonism in endotoxemic man. *Arch Surg* 129:72-79, 1994.
32. **Felsen D**, Frye S, Trimble LA, Bavendam TG, Parsons CL, Sim Y, Vaughan ED Jr: Inflammatory mediator profile in urine and bladder wash fluid of patients with interstitial cystitis. *J Urol* 152:355-361, 1994.
33. Nassir Y, Regunathan S, Reis DJ, Vaughan ED Jr, **Felsen D**. Castration of rats up-regulates the imidazoline receptor in prostate. *Annals NY Acad Sci* 763:174-177, 1995.
34. Regunathan S, Nassir Y, Sundaram K, Vaughan ED Jr, Reis DJ, **Felsen D**. Expression of I₂ imidazoline receptors in rat prostate and regulation by testosterone. *Biochemical Pharmacology* 51:455-459, 1996.
35. Wright EJ, McCaffrey TA, Robertson AP, Vaughan ED Jr, **Felsen D**. Chronic unilateral ureteral obstruction is associated with interstitial fibrosis and tubular expression of transforming growth factor- β . *Laboratory Investigation* 74:528-537, 1996.
36. Schulsinger DA, **Felsen D**, Marion DN, Vaughan ED Jr. Expression, localization and inhibition of inducible nitric oxide synthase (iNOS) following unilateral ureteral obstruction (UUO) in rat kidney. *Surgical Forum* 47:800-802, 1996.

37. O'Connor LT Jr, Vaughan ED Jr, **Felsen D**. *In vivo* cystometric evaluation of progressive bladder outlet obstruction in rats. *J. Urol.* 158:631-635, 1997.
38. **Felsen D**. Studies on gender differences in α -adrenergic receptors in rabbit bladder. *J. Urol.* 159:346, 1998. [editorial]
39. Sutaria PM, Ohebshalom M, McCaffrey TA, Vaughan ED Jr., **Felsen D**. Transforming Growth Factor- β receptor types I and II are expressed in renal tubules and are increased after chronic unilateral ureteral obstruction. *Life Sci.* 62:1965-1972. 1998.
40. Gulmi FA, **Felsen D**, Vaughan, ED Jr. AUA Update: Management of Post-obstructive diuresis. AUA Update series, Vol 17, Lesson 23 ,pp 178-183, 1998.
41. Lemack GE, Szabo Z, Urban Z, Boyd CD, Csiszar K, Vaughan ED Jr, **Felsen D**. Altered bladder function in transgenic mice expressing rat elastin. *Neurourol. Urodynam*,18:55-68, 1999.
42. Scherr DS, Vaughan ED Jr, Wei J, Chung M, **Felsen D**, Allbright R, , Knudsen BS. Bcl-2 and p53 expression in clinically localized prostate cancer predicts the response of patients to external beam radiotherapy. *J. Urol* 162: 12-17, 1999.
43. Lauto A, Kirman I, Ohebshalom M, **Felsen D**, Poppas DP: Two-layer film as a laser soldering biomaterial. *Lasers Surg Med* 25:250-6, 1999.
44. Fung, LCT, Mingin, GC, Massicotte, JM, **Felsen, D**, Poppas DP. Effects of temperature on tissue thermal injury and wound strength following photothermal wound closure., *Lasers Surg. Med.* 25:285-90 1999.
45. Kirman I, Lauto A, Phillips A, Hamawy A, Heldman E, Cuomo B, Shin SJ, Soslow R. **Felsen D**, Poppas DP. Effect of Laser Welding with Human Serum Albumin on the Expression of P-Selectin on Platelets. *Lasers Surg Med* 25:438-444, 1999.
46. Cuomo BE, Lauto A, Kirman I, **Felsen D**, Poppas DP. Assessment of the Degradation of Denatured Albumin Solder by Human Urine. *J. Urol*, 163:634-637, 2000.
47. Bleustein CB, Cuomo B, Mingin GC, Ohebshalom MM, Lauto A, Shin SJ, Stewart RB, **Felsen D**, Soslow RA, Sennett M and Poppas DP. Laser-assisted demucosalized gastrocystoplasty with autoaugmentation in a canine model. *Urology* 55:437-42, 2000.
48. Kohan AD, Danziger M, Vaughan ED Jr, **Felsen D**. Effect of aging on bladder function and the response to outlet obstruction in female rats. *Urol Res.* 28: 33-7, 2000.
49. Bleustein CB, **Felsen D** and Poppas DP. Welding characteristics of different albumin species with and without fatty acids. *Lasers Surg Med* 27:82-86, 2000.
50. Bleustein CB, **Felsen D**, and Poppas DP. Semi-Solid albumin solder improved mechanical properties for laser tissue welding. *Lasers Surg Med.* 27:140-146, 2000.
51. Miyajima A, Chen J, Kirman I, Poppas DP, Vaughan ED Jr, **Felsen D**. Interaction of Nitric Oxide and Transforming Growth Factor- β 1 induced by Angiotensin II and Mechanical Stretch in Rat Renal Tubular epithelial cells. *J. Urol.* 164:1729-1734, 2000.
52. Miyajima A, Chen J, Lawrence C, Ledbetter S, Soslow RA, Stern J, Jha S, Pigato J, Lemer M, Poppas DP, Vaughan ED Jr, **Felsen, D**. Antibody to TGF- β Ameliorates Tubular Apoptosis In Unilateral Ureteral Obstruction. *Kid Int.* 58:2301-2313, 2000.
53. Hochberg D., Johnson CW, Chen J, Cohen D, Stern J, Vaughan ED Jr, Poppas DP, **Felsen D**. Interstitial Fibrosis of Unilateral Ureteral Obstruction is Exacerbated in Kidneys of Mice Lacking the Gene for Inducible Nitric Oxide Synthase. *Lab. Invest* 80:1721-1728, 2000.
54. Bleustein CB, Sennett M, Kung RT, **Felsen D**, Poppas DP, Stewart RB Differential scanning calorimetry of albumin solders: Interspecies differences and fatty acid binding effects the protein denaturation. *Lasers Surg Med* 27:465-470, 2000.
55. Bleustein CB, Esposito M, Soslow RA, **Felsen D** and Poppas DP. Mechanism of healing following Snodgrass Repair *J. Urol*, 165:277-279, 2001.

56. Miyajima A, Chen J, Poppas DP, Vaughan ED Jr, **Felsen, D**. Role of nitric oxide in renal tubular apoptosis of unilateral ureteral obstruction. *Kid. Int.* 59:1290-1303, 2001.
57. Lauto A, Ohebshalom M, Esposito M, Mingin J, Li PS, **Felsen D**, Goldstein M, Poppas DP. Self-expandable chitosan stent: design and preparation. *Biomaterials* 22:1869-74, 2001
58. Lauto A, Hamawy AH, Phillips AB, Petratos PB, Raman J, **Felsen D**, Ko W, Poppas DP. Carotid artery anastomosis with albumin solder and near infrared lasers: a comparative study. *Lasers in Surgery & Medicine.* 28:50-5, 2001.
59. Lauto A, Stewart R, Ohebshalom M, Nikkoi ND, **Felsen D**, Poppas DP. Impact of solubility on laser tissue-welding with albumin solid solders. *Lasers in Surgery & Medicine.* 28:44-9, 2001.
60. Stahl PJ, **Felsen D**. Transforming growth factor- β , basement membrane, and epithelial-mesenchymal transdifferentiation: implications for fibrosis in kidney disease. *Am J Pathol* 159:1187-1192, 2001.
61. Pareek G, Specht M, Lin D, Petratos PB, Fahey TJ, Soslow RA, **Felsen D**, Poppas DP. Hand Assisted Demucosalized Gastrocystoplasty Comparing Different Tissue Closure Methods. *Urology* 58:625-630, 2001.
62. Petratos PB, Baergen RN, Bleustein CB, **Felsen D**, Poppas DP. Ex-Vivo Evaluation of human fetal membrane closure. *Lasers Surg. Med* 30:48-53, 2002.
63. Petratos PB, Rucker GB, Soslow RA, **Felsen D**, Poppas DP. Evaluation of Octylcyanoacrylate for Wound Repair of Clinical Circumcision and Human Skin Incisional Healing in a Nude Rat Model. *J. Urol* 167:677-679, 2002.
64. Petratos PB, Ito K, **Felsen D**, Poppas DP. Cross Linked Matrix Tissue Sealant Protects Against Mortality and Hemorrhage in an Acute Renal Injury Model in Heparinized Rats. *J. Urol.* 167:2222-2224, 2002.
65. Petratos PB, Chen J, **Felsen D**, Poppas DP. Local Pharmaceutical Release from a New Hydrogel Implant. *J. Surg Res.* 103:55-60, 2002.
66. Rivera ADC, Walker CN, Bleustein CB, Choi B, Poppas DP, **Felsen D**. Enhanced Adenoviral-Vector Mediated Gene Transfer using Human Albumin Solder. *Lasers Surg Med* 30:313-319, 2002.
67. Petratos PB, **Felsen D**, Trierweiler G, Pratt BD, McPherson JM, Poppas DP. Transforming growth factor- β_2 (TGF- β_2) reverses the inhibitory effects of fibrin sealant on cutaneous wound repair in the pig. *Wound Repair and Regeneration* 10:252-258, 2002.
68. Specht M, Pareek G, Lin D, Bleustein C, Fahey TJ, **Felsen D**, Poppas DP. Hand-Assisted Laparoscopic Autoaugmentation Gastrocystoplasty. *Surgical Endoscopy* 16:1538-1541, 2002.
69. **Felsen D**, Schulsinger D, Gross SS, Kim FY, Marion DN, Vaughan ED, Jr. Renal Hemodynamics and Ureteral Pressure Changes in UUO: Role of Nitric Oxide. *J Urol* 169:373-6, 2003.
70. **Felsen D**, Dardashti K, Ostad M, Lemer ML, Gross SS, Chen J, Vaughan ED Jr., Poppas DP. Inducible Nitric Oxide Synthase (iNOS) Promotes Pathophysiological Consequences of Experimental Bladder Outlet Obstruction. *J. Urol* 169: 1569-72, 2003.
71. Petratos PB, Chen J, Soslow RA, Bleustein CB, Poppas DP, **Felsen D**. Full-Thickness Human Foreskin Transplantation onto Nude Rats as an In Vivo Model of Acute Human Wound Healing. *Plast Reconstr Surg* 111:1988-97, 2003.
72. Stern J, Chen J, Silver RB, Poppas DP, Vaughan ED Jr, **Felsen D**. Effect of Unilateral Ureteral Obstruction on Dopamine $_1A$ Receptor Reveals a Link between Dopamine, Transforming Growth Factor- β and Nitric Oxide. *Am J Physiol Renal Physiol* 286: F509-F515, 2004.
73. Ito K, Chen J, Poppas DP, Vaughan Jr E, Seshan SV, **Felsen D**. Dietary L-arginine Supplementation Improves Both Glomerular Filtration Rate and Renal Blood Flow after 24 Hours of Unilateral Ureteral Obstruction in Rats. *J.Urol* 171:926-930, 2004.
74. Stern JM, Chen Jie, Peters SB, Stahl PJ, El Chaar M, **Felsen D**, Poppas DP. Testosterone treatment of human foreskin in a novel transplant model. *Urology* 63: 999-1003, 2004.
75. Ito K, Chen J, Khodadadian JJ, Seshan SV, Eaton C, Zhao X, Vaughan ED Jr, Lipkowitz MS, Poppas DP, **Felsen D**. Liposome-mediated Transfer of Nitric Oxide Synthase Gene Improves Renal Function in Ureteral Obstruction in Rats.

Kidney International 66: 1365-75, 2004. [With cover photo].

76. Ito K, Chen J, Tomohiko A, Vaughan ED Jr, Poppas DP, Hayakawa M, **Felsen D**. Liposome-mediated Gene Therapy in the Kidney. *Human Cell* 17:17-28, 2004.
77. Ito K, Chen J, El Chaar M, Stern JM, Seshan SV, Khodadadian JJ, Richardson I, Hyman MJ, Vaughan ED Jr, Poppas DP, **Felsen D**. Renal Damage Progresses Despite Improvement of Renal Function After Relief of Unilateral Ureteral Obstruction (UUO) in Adult Rats. *Am J Physiol Renal* 287: F1283–F1293, 2004.
78. Vaughan ED Jr, Marion D, Poppas DP, Felsen D. Pathophysiology of Unilateral Ureteral Obstruction: Studies from Charlottesville to New York. *J Urol* 172: 2563-2569, 2004.
79. González RR, Fong T, Belmar N, Saban M, Felsen D, Te AE. Modulating bladder neuroinflammation: RDP58, a novel anti-inflammatory peptide, reduces inflammation and nerve growth factor production in experimental cystitis. *J Urol* 173:630-634, 2005.
80. El Chaar MM, Attia E, Chen J, Hannafin J, Poppas DP, **Felsen D**. Effects of a Cyclooxygenase-2 Inhibitor on Matrix Synthesis in Stretched Fibroblasts. In Press, *Nephrology*, 2005.
81. Ito K, Chen J, Seshan SV, Khodadadian JJ, Gallagher R, El Chaar M, Vaughan ED Jr, Poppas DP, **Felsen D**. Dietary Arginine Supplementation Attenuates Renal Damage after Relief of Unilateral Ureteral Obstruction in Rats. In Press, *Kidney International*, 2005
82. El Chaar M, Chen J, Stern JM, Seshan SV, Poppas DP, Vaughan ED Jr, **Felsen D**. Renal COX-2 in Unilateral Ureteral Obstruction (UUO): Pattern of Expression and Role in Interstitial Fibrosis. *Journal of Urology*, In Press, 2005.

BOOK CHAPTERS

1. **Felsen D**, Vaughan ED Jr: Endocrine Function of the Renal Parenchyma in *Urologic Endocrinology* (ed. J. Rajfer), W.B. Saunders, Philadelphia, pp. 112-138, 1986.
2. Gulmi FA, Vaughan ED Jr, Felsen D: The Pathophysiology of Obstruction: Role of Novel Vasoactive Compounds. in *Textbook of Genito-Urinary Surgery (2nd Ed.)* (ed. Whitfield H, Kirby R, Hendry WF, Duckett J), Blackwell Scientific Publications, London, 1998.
3. Gulmi FA, **Felsen D**, Vaughan, ED Jr.: Pathophysiology of Urinary Tract Obstruction in *Campbell's Urology, 7th Ed.* (eds. Walsh PC, Retik AB, Vaughan ED Jr, Wein AJ), WB Saunders, Philadelphia, Chapter 9, 1998. pp342-385.
4. Vaughan ED Jr, Gulmi FA, Felsen D: Obstructive Nephropathy in *Medical Management of Kidney and Electrolyte Disorders*, In Press, 2000.
5. Gulmi FA, **Felsen D**, Vaughan, ED Jr.: Pathophysiology of Urinary Tract Obstruction in *Campbell's Urology, 8th Ed.* (eds. Walsh PC, Retik AB, Vaughan ED Jr, Wein AJ), WB Saunders, Philadelphia, *Chapter 9*, 2002. pp411-463.

EDITORSHIPS

Guest Editor (with E.D. Vaughan, Jr.) *Seminars in Urology* Vol. 3, Nos. 3 and 4, "Urologic Pharmacology", August and November, 1985.

Abstracts

1. Reingold, DF, Stanley, ME: Convulsive Action of the D- and L- Stereoisomers of Allylglycine. Fed. Proc. 35:1644, 1976.
2. Reingold, DF, Orlowski, M: In Vitro and In Vivo Inhibition of Brain L- Glutamate Decarboxylase by 2-Keto-4-Pentenoic Acid. Fed. Proc. 37:575, 1978.
3. Needleman, P, Myers, S, Reingold, DF, Watters, K, Holmberg, S, Wyche, A, Morrison, AR: The Induction of Thromboxane Synthetase as an Expression of Renal Pathology. Prog. Lipid Res., 1980.
4. Reingold, DF, Needleman, P: Manipulation of Prostacyclin, Thromboxane and Prostaglandin Formation by Cat and Rabbit Kidney. Fed. Proc. 39:997, 1980.
5. Reingold, DF, Needleman, P: D-Prostaglandins: Pharmacological Profile and Metabolism by a Novel Enzymatic Pathway (11-Keto Reductase). Fed. Proc. 40:2465, 1981.
6. Reingold, DF: Conversion of Arachidonic Acid to Lipooxygenase or Cyclooxygenase Products by Soluble or Microsomal Hepatic Enzymes. Int'l Prostaglandin Meeting, May 1982.
7. Weisman, S, **Felsen, D**, Vaughan, ED, Jr: Effect of Dietary Sodium on Renal Cortical and Medullary Prostaglandin Synthesis. Fed. Proc. 42:640, 1983.
8. Hughes, M, **Felsen, D**, Rifkind, A: Prostaglandin Synthesis by Chick Embryo Lung Microsomes. Fed. Proc. 42:640, 1983.
9. Weisman, SM, **Felsen, D**, Vaughan, ED, Jr: Effect of Platelet Activating Factor (PAF) on Renal Prostaglandin (PG) Release in Unilateral Ureteral Obstruction (UUO). Kidney Int. 27:269, 1985.
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