

# Diane Felsen, Ph.D.

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**DATE:** April 6, 2010

## **A. GENERAL INFORMATION**

1. Name: Diane Felsen, PhD
2. Work Address: Weill Medical College of Cornell University  
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## **B. EDUCATIONAL BACKGROUND**

1. B.A., Chemistry, Queens College of the City University of New York, New York, NY - June 1974
2. Ph.D., Pharmacology City University of New York Graduate Program at Mt. Sinai School of Medicine, New York, NY - June 1979

## **C. PROFESSIONAL POSITIONS AND EMPLOYMENT**

1. *Department of Pharmacology*  
*Washington University Medical School, St. Louis, MO*  
  
Post-doctoral Fellow, Laboratory of Dr. Philip Needleman 4/79-7/81  
  
Post-doctoral Fellow, Laboratory of Dr. Oliver H. Lowry 10/80 – 4/81
2. *Departments of Surgery and Pharmacology*  
*Cornell University Medical College*  
  
Instructor in Pharmacology in Surgery (Urology) 9/81 - 8/82  
Instructor of Pharmacology  
  
Assistant Professor of Pharmacology in Surgery (Urology) 9/82- 6/89  
Assistant Professor of Pharmacology  
  
*Department of Surgery (Division of Urology)*  
*Cornell University Medical College*  
  
Associate Research Professor of Pharmacology in Surgery (Urology) 7/89- 6/93

*Department of Urology  
Weill Medical College of Cornell University*

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

**D. LICENSURE, BOARD CERTIFICATION, MALPRACTICE**

1. N/A

**E. PROFESSIONAL MEMBERSHIPS**

Member American Society for Pharmacology and Experimental Therapies  
Member American Urological Association  
President Society for Basic Urologic Research 2003-2004  
Member Society for Basic Urologic Research  
Member New York Academy of Sciences  
Member American Women in Science  
Member Sigma Xi  
Member Society of Women in Urology

**PROFESSIONAL APPOINTMENTS**

Member Ad Hoc Study Section to review Interstitial Cystitis grants submitted in response to RFA July 1991  
Member Interstitial Cystitis Data Base, Advisory Board Oct 1992 - present  
Member Ad Hoc Study Section to review Interstitial Cystitis grants submitted in response to RFA June 1993  
Member Executive Board, Society for Basic Urologic Research Apr 1994 – Apr 1996  
Member Special Review Committee, NIDDK Site Visit for application 2P01 DK-42717, La Jolla, CA July 1994  
Member Special Review Committee, NIDDK review of application, P01- DK-49877-01A1, Baltimore, MD July 1995

Member	Research Grant Review Committee ( AFUD), New Orleans, LA	October 1995
Member	Special Review Committee, NIDDK review of grants in response to RFA, Bethesda, MD	November 1995
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	July 1996
Member	American Urological Association: Research Funding committee	
Member	Special Emphasis Panel (Urology) Review Group, Bethesda MD	November 1996
Member	Special Emphasis Panel (Urology) Review Group, Gaithersburg, MD	March 1997
Member	Ad Hoc Study Section, Baltimore, MD	June 1998
Member	Special Emphasis Panel (Urology) Review Group, Bethesda 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
Vice-President [President-Elect]	Society for Basic Urologic Research	April 2002
Member	Renal and Urologic Sciences Study Section Boundaries Team	April 2002
Member	Special Emphasis Panel (Urology) Review Group, Bethesda MD	November 2002
President	Society for Basic Urologic Research	May 2003- May 2004
Member	Urologic and Kidney development and Genitourinary Diseases [UKGD] Study Section [Ad Hoc]	March 2004

Academic Medicine Mentor, Bristol-Meyers Squibb	May 2004
Member UKGD study section [Ad Hoc]	July 2004
Member UKGD study section [Ad Hoc]	October 2004
Member UKGD study section [permanent]	May 2005

**F. HONORS AND AWARDS**

N/A

**G. INSTITUTIONAL/HOSPITAL AFFILIATION**

N/A

**H. EMPLOYMENT STATUS**

1. Weill Cornell Medical College
2. Full-time Salaried by Cornell

**I. CURRENT AND PAST INSTITUTIONAL RESPONSIBILITIES AND PERCENT EFFORT**

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

Administrative & Committees (5%) :

Chair - Security Committee - WMC. Effective 07/06

Member: Advanced Basic Sciences Curriculum Committee - WMC

Member: Post-doc Committee

American Urologic Association Committees:

NIDDK Steering Committee

Program Committee

Research Council

Research Priorities Group

**J. RESEARCH SUPPORT**

**Current Support:**

NIDDK: Ureteral Obstruction: Role of TGF- $\beta$  and Nitric Oxide

9/01 – 8/05, \$850,000 [no cost extension]

50% effort

**Submitted:**

NIH: Pressure induces epithelial mesenchymal transition. R-21 application.

02/07 - 01/09, \$275,000 requested  
25% effort.

NIH: 1 R01 DK-077294-01. Reducing mitochondrial oxidative stress in diabetic and obstructive nephropathies.  
12/01/06 - 11/30/11, Total direct costs: \$1,250,000

Lupus Research Institute: Reducing lupus nephritis damage through targeting mitochondrial oxidative stress.  
11/01/06 - 10/31/09, Total direct costs: \$300,000

NIH, "Mast cell renin and local angiotensin II formation".  
11/06 - 10/11, Total direct costs: \$1,375,000. Year 1, Total Direct Costs: \$275,000  
10% effort requested.  
Role on grant, co-investigator. [PI, RB Silver].

**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 \$279,830/year

Minimally Invasive Surgery laboratory  
2R42DK 50505-02A1 NIH-SBIR grant 7/98 -6/00 10% Effort.

**K. EXTRAMURAL PROFESSIONAL RESPONSIBILITIES**

**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

**L. BIBLIOGRAPHY**

Under former name: Reingold

1. Orłowski 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**, Orłowski M: Inhibition of Human and Mouse Brain Glutamate Decarboxylase by the  $\alpha$  Keto Analogs of Cysteine and Homocysteine. *Biochem Pharmacol* 27:2567-2570, 1978.
3. **Reingold DF**, Orłowski 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 A<sub>2</sub> 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 A<sub>2</sub> 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 E<sub>1</sub>, D<sub>1</sub> and H<sub>1</sub>. *Bioch Pharmac* 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 B<sub>4</sub> 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 Pharmac 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 A<sub>2</sub> 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.
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  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.

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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.
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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-. *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  $\alpha$ -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- $\beta$  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.
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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.
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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- $\beta$ 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- $\beta$  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.
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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.
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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-2 (TGF-2) reverses the inhibitory effects of fibrin sealant on cutaneous wound repair in the pig. *Wound Repair and Regeneration* 10:252-258, 2002.
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69. **Felsen D**, Schulsinger D, Gross SS, Kim FY, Marion DN, Vaughan ED, Jr. Renal Hemodynamics and Ureteral Pressure Changes in UUU: 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<sub>1A</sub> Receptor Reveals a Link between Dopamine, Transforming Growth Factor- $\beta$  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 Char 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*

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  77. Ito K, Chen J, El Char 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.
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  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 Char MM, Attia E, Chen J, Hannafin J, Poppas DP, **Felsen D**. Cyclooxygenase-2 Inhibitor Decreases Extracellular Matrix Synthesis in Stretched Renal Fibroblasts. *Nephron Experimental Nephrology*, 100:e150-e155 (DOI:10.1159/000085293) 2005.
  81. Ito K, Chen J, Seshan SV, Khodadadian JJ, Gallagher R, El Char M, Vaughan ED Jr, Poppas DP, **Felsen D**. Dietary Arginine Supplementation Attenuates Renal Damage after Relief of Unilateral Ureteral Obstruction in Rats. *Kid Int* 68:515-528, 2005.
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  83. El Char, Chen J, Seshan SV, Jha S, Richardson I, Ledbetter SR, Vaughan ED Jr, Poppas DP, **Felsen D**. The Effect of Combination Therapy with Enalapril and the TGF- $\beta$  Antagonist 1D11 in Unilateral Ureteral Obstruction. Submitted, *Amer J Physiol*, 2005.
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  85. El Char, Chen J, Seshan SV, Jha S, Richardson I, Ledbetter SR, Vaughan ED Jr, Poppas DP, **Felsen D**. The Effect of Combination Therapy with Enalapril and the TGF- $\beta$  Antagonist 1D11 in Unilateral Ureteral Obstruction. *Amer J Physiol [Renal]*

- 292: F1291 - F1301, 2007.
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  87. Poppas DP, Hochsztein A, Baergen RN, Loyd E, Chen J, Felsen D. Nerve Sparing Ventral Clitoroplasty Preserves Dorsal Nerves in Congenital Adrenal Hyperplasia. J Urol, 178:1802-1806, 2007. *Cited by Faculty of 1000*
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#### EDITORSHIPS

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

#### ABSTRACTS

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73. Ito K\*, Chen J, El Chaar M, Stern JM, Seshan SV, Khodadadian J, Poppas DP, Vaughan ED Jr, **Felsen D**. Renal Damage Progresses Despite Improvement of Renal Function after Relief of Unilateral Ureteral Obstruction (UUO) in Adult Rats.J. Urol 169: 112S, 2003.
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75. El Chaar M, Chen J, Attia E, Hannafin J, Poppas DP, Vaughan ED Jr, **Felsen D**. Effect of Selective Cyclooxygenase-2 (Cox-2) Inhibitor on Extracellular Matrix (Ecm) and Transforming Growth Factor- $\beta$  (TGF- $\beta$ ) Expression in Stretched Renal Fibroblasts J. Urol 169:113S, 2003.
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- Fluorescent protein (GFP) using adeno-associated viral vector in kidney J. Urol. 171: # 698, 2004
83. Ito K, Chen J, Khodadadian JJ, Seshan, SV, Zhao X, Eaton C, Vaughan ED Jr, Lipkowitz MS, Poppas DP, **Felsen D**. Liposome-mediated Transfer of Inducible Nitric Oxide Synthase (iNOS) Gene Ameliorates Renal Dysfunction in Acute Unilateral Ureteral Obstruction (UUO). J. Urol. 171: # 699, 2004
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  88. **Felsen D**, Mizuguchi Y, Chen J, Szeto HH, Seshan SV, Poppas DP: SS-31, a Cell-Permeable Mitochondrial Protectant, Ameliorates Renal Tissue Damage in Unilateral Ureteral Obstruction (UUO). [F-PO406]. American Society of Nephrology, Philadelphia, 2005.
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## ACTIVITIES

### **1999**

- SBUR retreat
- SBUR representative to NIDDK 2/11
- AUA research Chicago 2/13
- bladder meeting prize selection committee
- Pharmacology Host Defenses Small Groups 5/99
- Nov. 4<sup>th</sup> CSR Elvira Ehrnefeld
- Nov. 4-8 Int'l Bladder Society meeting - Chair, Prize committee
- Nov. 15-16th Urology SEP

Dec. 9 NCI Meeting  
Dec. 10 meeting - NIDDK

Outside Reviewer:  
LIJ - Faculty Research Award  
Journal of Cell Physiology  
Amer. J. Physiology  
Grant Agency of the Czech Republic  
J.Urol

## 2000

Pharmacology Host Defenses Small Groups 5/00  
Seminar at Penn 5/15/00  
7/20 NIDDK meeting with Spiegel  
7/21 AUA Research council

## 2001

Lecturer; Pharmacology graduate course  
Preceptor: Med. Student course: Basis of disease [journal club]  
Consultant: AUA office of Research - meeting to set up research priorities 12/03/01  
Urology SEP 11/08 - 11/09/01

Reviewer for:  
Journal of Urology  
Journal of clinical Investigation  
American journal of Physiology  
American journal of Pathology  
Urology  
Kidney International  
AUA

Invited review - American Journal of Pathology Stahl PJ, **Felsen D.** Transforming growth factor-, basement membrane, and epithelial-mesenchymal transdifferentiation : implications for fibrosis in kidney disease. Am J Path 159:1187-1192, 2001.

## 2002

Urology SEP 03/13/02  
Fetal Obstruction: Invited participant 03/11-03/12  
AUA: AACU Washington Visit  
NIH-CSR Re-organization 4/25 - 4/26  
AUA Committee: AUA Research Council, AUA NIDDK Steering Committee  
2002- 2003  
SBUR - Vice president 06/02 - 04/03, [President -Elect]  
Committee: AUA Research Council, NIDDK Steering Committee

**2003**

AUA: Chair SBUR meeting  
AUA - 7 lab poster presentations  
Grand Rounds - MSSM  
Grand Rounds - Hackensack  
AUA Program committee 05/30/03  
NIDDK 07/03 IC RFA Study Section  
AUA: Member, Research Council  
Reviewer for Israel Science Foundation Grants  
Reviewer for Swiss National Science Foundation  
AUA Abstract reviews

**2004**

AUA Take Home Messages Basic Science  
SBUR President, Immediate past president  
GKUD Study section 03/04  
AUA Program Committee  
AUA Abstract reviews  
GKUD Study section 06/04  
ASN  
Charlottesville lecture  
SBUR

**2006**

AUA podium presentation  
UKGD study section  
AUA Bridge Award  
SBUR executive committee - Young Investigator award selection - Ryan Branski

**Date:**

**Signature:**