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# MATTHEW D. GRIMES, MD

## EDUCATION & TRAINING

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<b>University of Iowa Hospital and Clinics • Iowa City, IA</b> Fellow Physician, Genitourinary Reconstructive Surgery, Dept. of Urology	08.2018 – Present
<b>University of Wisconsin Hospital and Clinics • Madison, WI</b> Resident Physician, Urologic Surgery, Department of Urology	06.2014 – 06.2018
<b>University of Wisconsin Hospital and Clinics • Madison, WI</b> Internship, General Surgery, Department of Surgery	06.2013 – 06.2014
<b>University of Washington School of Medicine • Seattle, WA</b> Doctor of Medicine, with Honors Alpha Omega Alpha Honor Medical Society	06.2009 – 06.2013
<b>Washington State University • Pullman, WA</b> Bachelor of Science, Neuroscience <i>Summa cum laude</i> President's Honor Roll Honors College Thesis: Pass with Distinction	05.2004 – 06.2009
Bachelor of Music, Music Performance: Double bass <i>Summa cum laude</i> President's Honor Roll	

## LICENSING EXAMINATIONS

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USMLE Step 3 – 221	06.2014
USMLE Step 2 Clinical Knowledge – 246	09.2012
USMLE Step 2 Clinical Skills – Passed	08.2012
USMLE Step 1 – 247	06.2011

## MEDICAL LICENSURES

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State of Wisconsin	2014 – Present
CPR/BLS	06.2013 – Present

## PROFESSIONAL MEMBERSHIPS

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American Urologic Association, Member	2013 – Present
Society of Genitourinary Reconstructive Surgeons, Member	2017 – Present

## HONORS & AWARDS

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Residency	<p>Outstanding Resident Educator Award, Univ. of Wisconsin School of Medicine and Public Health (2017)</p> <p>Best Clinical Poster, AUA North Central Section Meeting (2017)</p> <ul style="list-style-type: none"> <li>Abstract presentation: <i>What happens to patients after formalin instillation for refractory hematuria?</i></li> </ul> <p>First Place Resident Presentation, Wisconsin Urologic Society (2015)</p> <ul style="list-style-type: none"> <li>Abstract presentation: <i>Surgical morbidity in extremely obese RCC patients</i></li> </ul>
Medical School	<p>Alpha Omega Alpha Honor Medical Society, Member (2012)</p> <p>Gold Humanism Honor Society, Member (2012)</p> <p>Western Student Medical Research Forum, Student Representative (2011)</p> <p>Medical Student Research Training Program, Fellowship Recipient (2011)</p>
Undergraduate	<p>University Honor College, Member (2004 – 2009)</p> <p>President's Honor Roll (2004 – 2009)</p> <p>Phase One Scholarship Recipient, Department of Music (2004 – 2007)</p> <p>Honors College Thesis: Pass with Distinction (2009)</p> <ul style="list-style-type: none"> <li><i>Superinfection as an index of pathogen strain emergence within a persistently infected host reservoir</i></li> </ul> <p>Center for Integrative Biosciences, Research Fellowship Recipient (2006, 2008)</p> <p>Outstanding Soloist Award, Lionel Hampton International Jazz Festival (2007, 2009)</p>

## PEER REVIEWED PUBLICATIONS

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- Blute ML Jr, Ziemlewicz TJ, Lang JM, Kyriakopoulos C, Jarrard DF, Downs TM, **Grimes MD**, Shi F, Mann MA, Abel EJ. Metastatic tumor burden does not predict overall survival following cytoreductive nephrectomy for renal cell carcinoma: a novel 3-dimensional volumetric analysis. *Urology*. 2016;Sep [epub ahead of print]
- Grimes MD**, Blute ML, Mann M, Downs TM, Shi F, Jarrard D, Best SL, Nakada SY, Abel EJ. A critical analysis of postoperative morbidity in morbidly obese patients following renal cancer surgery. *Urology*. Jun;96:93-98.
- Blute ML, Zorn K, **Grimes MD**, Shi F, Downs TM, Jarrard DF, Best, SL, Richards K, Nakada SY, Abel EJ. Extreme obesity does not predict cancer outcomes following surgery for renal cell cancer. *BJU Int*. 2016 Sep;118(3):399-407.
- Grimes MD**, Sahi SK, Godornes BC, Tantalo LC, Roberts N, Bostick D, Marra CM, Lukehart SA. Mutations associated with macrolide resistance in *Treponema pallidum*: Increasing prevalence and correlation with molecular strain type in Seattle, Washington. *Sex Transm Dis*. 2012 Dec;39(12):954-8
- Ueti MW, Yunbing T, Broschat SL, Castañeda Ortiz EJ, Minerva Camacho-Nuez, Mosqueda JJ, Scoles GA, **Grimes MD**, Brayton KA, Palmer GH. Expansion of variant diversity associated with high prevalence of pathogen strain superinfection under conditions of natural transmission. *Infect Immun*. 2012 Jul;80(7):2354-60

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6. **Grimes MD**, Godornes BC, Tantalo LC, Marra CM, Lukehart SA. Macrolide resistant *Treponema pallidum*: association with molecular strain type. *Journal of Investigative Medicine*. 2011 Jan;59(1):164

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## ABSTRACTS & MEETING PRESENTATIONS

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1. **Grimes MD**, Schubbe ME, Tesdahl B, Dahmouh L, Erickson BA. Directed non-oncologic pathology review identifies a high prevalence of chronic inflammation within anterior urethroplasty stricture specimens. AUA National Meeting, Chichago, IL, May 2019. Poster presentation
2. **Grimes MD**, Schubbe ME, Erickson BA. Surgical outcomes of radiated ureteral repairs are similar to non-radiated ureteral repairs in appropriately selected patients. AUA National Meeting, Chichago, IL, May 2019. Poster presentation
3. **Grimes MD**, Miller BM, Whitmann T, McAchran SE, Jarrard DF, Bushman W, Williams DH, Downs TM, Richards KA, Best SL, Abel EJ. What happens to patients after formalin instillation for refractory hematuria? AUA North Central Section Meeting, Scottsdale, AZ, November, 2017. Poster Presentation
4. Miller BM, **Grimes MD**, Whitmann T, McAchran SE, Jarrard DF, Bushman W, Williams DH, Downs TM, Richards KA, Best SL, Abel EJ. History of pelvic radiation is associated with worse outcomes following surgery for transfusion-dependent gross hematuria. AUA North Central Section Meeting, Scottsdale, AZ, November, 2017. Poster Presentation
5. **Grimes MD**, Zorn KE, Whitman T, Best SL, Hinshaw JL, Lee FT, Lubner MG, Ziemlewicz TJ, Wells SA, Nakada SY, Abel EJ. Outcomes are similar following surgery or percutaneous thermal ablation for small sporadic renal cell carcinoma. AUA North Central Section Meeting, Scottsdale, AZ, November, 2017. Poster Presentation
6. Miller BM, **Grimes MD**, Whitmann T, McAchran SE, Jarrard DF, Bushman W, Williams DH, Downs TM, Richards KA, Best SL, Abel EJ. Is there a “weekend effect” for surgical management of hematuria? Wisconsin Urologic Society Annual Meeting, April, 2017. Podium Presentation.
7. **Grimes MD**, Lyon W, Sijian W, Schneider A, Bushman W. Contributions of prostate volume and fibrosis to bladder outlet obstruction. Wisconsin Urologic Society Annual Meeting, April, 2017. Podium Presentation.
8. **Grimes MD**, Miller BM, Whitmann T, McAchran SE, Jarrard DF, Bushman W, Williams DH, Downs TM, Richards KA, Best SL, Abel EJ. Contemporary outcomes following intravesical instillation of formalin for severe refractory hematuria. Wisconsin Urologic Society Annual Meeting, April, 2017. Podium Presentation.
9. Grimes MD, Hinshaw A, Wells SA, Lubner MG, Ziemlewicz TJ, Lee FT, Hinshaw JL, Abel EJ. Outcomes following percutaneous microwave ablation and cryoablation for sporadic t1a renal cell carcinoma. Wisconsin Urologic Society Annual Meeting, April, 2017. Podium Presentation.
10. **Grimes MD**, Wells SA, Lubner MG, Ziemlewicz TJ, Whittman T, Shi F, Lee FT, Best SL, Nakada SY, Abel EJ. Should pathologic diagnosis be obtained prior to renal mass ablation? AUA North Central Section Meeting, Chicago, IL, September, 2016. Poster Presentation

11. **Grimes MD**, Blute ML, Mann M, Downs TM, Shi F, Jarrard DF, Best SL, Richards KA, Nakada SY, Abel EJ. A critical analysis of perioperative outcomes in morbidly obese patients following renal mass surgery. AUA North Central Section Meeting, Chicago, IL, September, 2016. Podium Presentation.
12. **Grimes MD**, Mann MA, Blute ML, Ziemlewicz TJ, Lang JM, Kyriakopolous C, Jarrard DF, Downs TM, Richards KA, Shi F, Abel EJ. Metastatic tumor burden does not predict poor outcomes; a three dimensional volumetric analysis. AUA North Central Section Meeting, Chicago, IL, September, 2016. Podium Presentation.
13. **Grimes MD**, Whittman T, Best SL, Hinshaw L, Lee FT, Lubner MG, Ziemlewicz TJ, Wells SA, Nakada SY, Abel EJ. Comparing outcomes for percutaneous microwave ablation, cryoablation, and surgery for treatment of sporadic RCC  $\leq$  4cm. Wisconsin Urologic Society Annual Meeting, April, 2016. Podium Presentation.
14. **Grimes MD**, Blute ML, Mann M, Downs TM, Shi F, Jarrard DF, Best SL, Richards KA, Nakada SY, Abel EJ. A critical analysis of postoperative morbidity in morbidly obese patients following renal cancer surgery. Wisconsin Urologic Society Annual Meeting, April, 2016. Podium Presentation.
15. **Grimes MD**, Whittmann TA, Best SL, Hinshaw JL, Lee FT, Lubner MG, Ziemlewicz TJ, Wells SA, Nakada SY, Abel JE. Comparing outcomes for percutaneous microwave ablation, cryoablation, and surgery for treatment of sporadic RCC  $\leq$  4cm. AUA National Annual Meeting, San Diego, May 2016. Podium presentation.
16. **Grimes MD**, Blute ML, Mann MA, Downs TM, Shi F, Jarrard DF, Best SL, Richards KA, Nakada SY, Abel JE. Surgical morbidity in extremely obese RCC patients. AUA National Annual Meeting, San Diego, May 2016. Poster presentation.
17. **Grimes MD**, Blute ML, Zorn K, Downs TM, Shi F, Jarrard DF, Best SL, Hedican SP, Nakada SY, Abel JE. Surgical morbidity in extremely obese RCC patients. AUA North Central Section Annual Meeting, Amelia Island, FL, November 14, 2015. Podium Presentation.
18. **Grimes MD**, Blute ML, Zorn K, Downs TM, Shi F, Jarrard DF, Best SL, Hedican SP, Nakada SY, Abel JE. Surgical morbidity in extremely obese RCC patients. Wisconsin Urologic Society Annual Meeting, Milwaukee, WI, November 14, 2015. Podium Presentation.
19. **Grimes MD**, Godornes C, Tantalo L, Marra CM, Lukehart SA. Macrolide resistant *Treponema pallidum*: Association with molecular strain type. Western Student Medical Research Forum, Carmel, CA, January 2011. Podium Presentation.
20. **Grimes MD**, Godornes C, Tantalo L, Marra CM, Lukehart SA. Macrolide resistant *Treponema pallidum*: Association with molecular strain type. MS RTP Poster Session, Seattle, WA, November 2010, Poster Presentation.
21. **Grimes MD**, Ueti MW, Yunbing T, Broschat SL, Castañeda Ortiz EJ, Minerva Camacho-Nuez, Mosqueda JJ, Scoles GA, Brayton KA, Palmer GH. Superinfection as an index of pathogen strain emergence within a persistently infected host reservoir. WSU Undergraduate Research Forum, Pullman, WA, April 2009, Poster Presentation.
22. **Grimes MD**, Ware JV, Nelson OL, Robbins CT, Jansen HT. Seasonal changes in the expression of circadian clock genes in the brown bear. WSU Neuroscience Undergraduate Research Showcase, Pullman, WA, April 2009, Poster Presentation.

## MANUSCRIPTS IN PREPERATION

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1. **Grimes MD**, Tesdahl BA, Schube M, Pearlman AM, Kreder KJ, Dahmouh L, and Erickson BA. Histopathology of anterior urethral strictures: toward a better understanding of stricture pathophysiology [submitted to The Journal of Urology for publication]
  2. Schneider A, **Grimes MD**, Lyon W, Bushman W. Urodynamic correlates of inflammation and fibrosis in patients with BPH/LUTS
  3. **Grimes MD**, Schneider A, Lyon W, Kemper A, Wang S, Bushman W. Cluster analysis reveals prostate enlargement and detrusor dysfunction drive need for surgical treatment of BPH/LUTS.
  4. **Grimes MD**, Pearlman AM, Erickson BA. A systematic review of intralesional injections for the management of anterior urethral stricture disease. [invited submission to Urology]

## BOOK CHAPTERS

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5. **Grimes MD**, Johnson BA, and Nakada SY. "Special Considerations in Laparoscopy." *Complications of urologic surgery, 5<sup>th</sup> edition*. Ed. Taneja SS. Philadelphia: Elsevier. 2016. [Accepted for publication].

## ELECTRONIC CHAPTERS

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1. Abel EJ, **Grimes MD**, Heckman JE, Downs TM. "Partial Cystectomy." Medscape Reference. Updated Oct 3, 2016. Available at: <http://emedicine.medscape.com/article/446101-overview>.

## RESEARCH EXPERIENCE

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| <p><b>University of Wisconsin, Department of Urology • Madison, WI</b><br/>Resident Physician</p> <ul style="list-style-type: none"> <li>• Involved in multiple clinical research projects including urologic oncology, prostatic inflammation, and pelvic reconstruction.</li> </ul>   | 06.2013 – 08.2018 |
| <p><b>University of Washington School of Medicine, Departments of Medicine and Neurology • Seattle, WA</b><br/>Funded Student Researcher, Medical Student Research Training Program<br/>Principal Investigator: Sheila A. Lukehart, Ph. D.</p> <ul style="list-style-type: none"> <li>• Characterized the molecular epidemiology of two <i>Treponema pallidum</i> mutations associated with clinical macrolide resistance in Seattle, WA</li> </ul> | 06.2010 – 06.2013 |
| <p><b>Washington State University College of Veterinary Medicine, Paul G. Allen School of Global Animal Health, Dept. of Veterinary Microbiology and Pathology • Pullman, WA</b><br/>Funded Student Researcher, Center for Integrated Biosciences<br/>Principal Investigator: Guy H. Palmer, D.V.M., Ph. D.</p>   | 06.2007 – 08.2009 |

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- Compared the degree of antigenic diversity in populations with varying prevalence of infection and superinfection in *Anaplasma marginale*, an animal model of vector-borne disease.

**Washington State University College of Veterinary Medicine, Dept. of Veterinary and Comparative Anatomy Pharmacology and Physiology, Dept. of Neuroscience • Pullman, WA** 06.2008 – 08.2009

Principal Investigator: Heiko Jansen, Ph. D.

- Characterized variable expression of two well-described genes involved in neural control of hibernation in the hibernating vs. non-hibernating brown bear.

## LEADERSHIP EXPERIENCE

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**University of Wisconsin, Department of Urology Quality Improvement Committee • Madison, WI** 2015 – 2018

Resident member

- Design, organize, and implement hospital-wide quality improvement initiatives

**University of Washington School of Medicine • Seattle, WA** 2009 – 2010

Outreach Coordinator

- Elected by my peers to coordinate volunteer activities centering on education, peer advising, and delivering care to the medically underserved

## VOLUNTEER EXPERIENCE

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**Boise Bicycle Project • Boise, ID** 2.2011 – 06.2012

- Non-profit volunteer based organization focusing on bicycle repair and maintenance education, and providing inexpensive bicycles to the community

**Mini-Medical School • Boise, ID** 2012

- Served as a member of a peer advising committee who met with pre-medical undergraduate students

**Safe Surgery Saves Lives** 08.2010

- Traveled to The Gambia, Africa to distribute literature and educate surgeons and hospital administrators about the World Health Organization's Safe Surgery Saves Lives program, which aims to enhance surgical safety through use of standardized practices such as checklists

**Casa Latina • Seattle, WA** 05.2010 – 09.2010

- Provided medical care to underserved members of the Hispanic community in Seattle, WA

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**Edumed • Pullman, WA; Moscow, ID** 2009 – 2010

- Coordinated and delivered interactive presentations about medical topics to elementary and middle school children in the community

**TarWars • Pullman, WA; Moscow, Troy, ID** 2009 – 2010

- Organized and delivered presentations designed to educate children about the risks of tobacco use in Idaho public schools

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**OTHER WORK EXPERIENCE**

Washington-Idaho Symphony Orchestra 2004 – 2008

WSU Outdoor Recreation Center 2005 – 2007

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**OTHER INTERESTS**

Running, cycling, skiing, swimming, backpacking, music, travel