

## **CURRICULUM VITAE**

Dan Rudic, Ph.D.  
Associate Professor  
Department of Pharmacology & Toxicology  
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### **PERSONAL**

Address: 519 McKinnis Park, Evans, GA 30809  
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### **EDUCATION**

Post-Doctoral: University of Pennsylvania, 2000-2005, Pharmacology  
Graduate: Yale University, 1996-2000. Ph.D., Pharmacology  
Graduate: Yale University, 1994-1996, M.S., Pharmacology  
College: Temple University, 1987-1991. B.S., Biology  
High School: Upper Dublin High School, 1983-1987

## **PROFESSIONAL**

### *Academic Appointments*

- Associate Professor, School of Medicine and School of Graduate Studies, Georgia Regents University (7/1/2010)
- Assistant Professor, School of Medicine and School of Graduate Studies, Georgia Regents University (9/1/2005)
- Research Associate, University of Pennsylvania (3/31/2005-8/31/2005)

### *Administrative Responsibilities/Appointments*

- University Senate, Academic Affairs
- Consultant IACUC, Georgia Regents University
- Member, Human Assurance Committee, Georgia Regents University
- Member, Intramural Grants Program (IGP) Committee, Georgia Regents University (2.1.2008 to present)
- Co-Chair IGP (July 1, 2009)
- Director, Pharmacology & Toxicology Seminar Series
- Participant in Liaison Committee on Medical Education (LCME) Reaccreditation Site Visit (2008)
  
- Augusta University Physiology Department Faculty Search Committee (2011 to present)
- Armand Karow Pharmacology Award Committee (2015)
- Pharmacology Graduate Student Research Symposium Emcee/Coordinator/Director (2011 to present)

### *Licensures*

- Drug enforcement agency-License for controlled substances (2006-current)
- Georgia State Board of Pharmacy-License for controlled substances (2006-current)

### *Peer Review/Service*

- American Heart Association Peer Review, Southeast Affiliate, Signaling (April, 2006-current)
- American Heart Association Peer Review, National, Signaling (2006-present)
- NIH working group 'Circadian timing in peripheral tissues' (2007)
- NIH workshop 'Circadian rhythms in metabolism' (2010)
- NIH/NIDDK Special Emphasis Panel (2010)
- American Heart Association Peer Review, Vascular Biology and Blood Pressure (2010-present)
- Member of the NIH National Sleep Disorders Research Advisory Board (SDRAB) (current)
- NIDDK DDK-B, study section (2011-current)
- NIH/NIGMS Minority Biomedical Research (MBRS) program study section (2012)

- NIH/NHLBI Special Emphasis Panel Review, R13 Conference Grant Application (2015)
- NHLBI PPG review 2018/01 HLBP 2 meeting

### *Editorial Boards*

Frontiers in Oxidant Physiology (review editor)

### *Journal Review (ad hoc)*

- PNAS
- Circulation
- ATVB
- FASEB Journal
- Diabetes
- Atherosclerosis
- Journal of Molecular Endocrinology
- American Journal of Hematology
- Hypertension
- Acta Physiologica
- Journal of Biological Rhythms
- American Journal of Physiology
- Endocrine Reviews
- Vascular Pharmacology
- Scientific Reports
- Journal of the American College of Cardiology
- JCI
- Scientific Reports

### **Research Awards**

#### **Current Research Support**

17GRNT33700216

Rudic (PI)

07/01/2017 to 6/30/2019

American Heart Association - Grant-in-Aid

Title: Vascular clock mechanisms in remodeling and atherosclerosis

Major Goal (s): The goal of this project is to determine the mechanisms by which the circadian clock contributes to atherosclerosis.

Total budget (2 years, DC+IDC): \$154000; Direct costs \$140,000

Yearly budget direct costs: 70,000

1R01AG054651-01

Rudic/Bagi (MPI)

09/01/2017 – 06/30/2022

NIH/NIA

“TACE and Clock mechanisms in aging and vascular stiffening”

Major Goal(s): The goal of this project is to determine aging-related mechanisms through which circadian clock dysfunction causes vascular stiffening. We also will determine the role of TACE/ADAM17 in age-related vascular stiffening.

Role: Contact PI

Total MPI budget (5 years, DC+IDC) \$2,243,510; Directs costs: \$1,475,995

Total Rudic budget Direct Costs (5 years): \$737, 997.50

Yearly Rudic budget Direct Costs:\$147,599.50

### **Completed**

#### 1.National Research Service Award

Type: Post-doctoral NIH (T32HL007439-23)

Period: 06/01-6/03

#### 2.AHA (0225478U)

Circadian influences on vascular adaptation

Type: Post-doctoral

Period: 07/01/02-06/30/04

#### 3. Peripheral clocks in cardiovascular remodeling

Principal Investigator: R. Daniel Rudic, Ph.D.

Type: AHA BGIA 0665284B

Period: 8/06-7/08

#### 4. Peripheral clocks in metabolism and diabetes

Principal Investigator: R. Daniel Rudic, Ph.D.

Type: NIH K01-DK070658

Period: 12/12/05-04/01/2010

#### 5.The biological clock, the endothelium, and vascular remodeling (Supplement)

Principal Investigator: R. Daniel Rudic, Ph.D.

Type: NIH 3 R01-HL089576-01A1S1

Period: 07/15/2009 – 06/30/2011

6. The biological clock, the endothelium, and vascular remodeling (Parent grant)

Principal Investigator: R. Daniel Rudic, Ph.D.

Type: NIH R01-HL089576

Period: 8/01/08-7/31/13

Direct costs: \$1,250,000

The major goal of this project is to study the regulation and role of the circadian clock component Bmal1 in vascular remodeling and endothelial signaling.

7. Circadian Clock in Angiotensin II Induced Hypertension (Pre-Doctoral)

**AWARDS**

2010 MCG Outstanding Young Basic Science Award  
2004 ATVB Irvine Page Young Investigator Award Finalist  
2003 ATVB New Investigator Travel Award  
2002 American Heart Association Post-Doctoral Fellowship  
1987-1991 Outstanding Achievement Scholarship, Temple University

**SCIENTIFIC AND PROFESSIONAL SOCIETIES**

American Heart Association

ASPET

Society for Research on Biological Rhythms

American Physiological Society

## TEACHING

Medical College of Georgia

### Lectures/Courses

- Medi5235 Antihypertensives
- Medi5225 Hypertension Case Studies
- Medi5250 Lipid Lowering Drugs
- SGS8033 Integrative Systems Biology/Atherosclerosis
- SGS8033 Integrative Systems Biology/Peripheral Vascular Disease
- SGS8120 CV Phys & Pharm/Arteriolar control, systemic hemodynamics
- SGS8065 Molecular Basis of Disease/ Circadian Rhythms
- VBI8020 Frontiers in Vascular biology/Circadian clock in hypertension
- PHRM8041 Antihypertensives
- Medi 5244 Endocrine/ Reproductive Pharmacology Integrative Group Exercise
- MEDI5240 Antihypertensives
- MEDI5240 Lipid lowering Drugs
- MEDI5240-case study Small Group Part 1-CV no
- MEDI5240-case study Small Group Part 2-Metabolic
- PHRM5012 Cardiovascular to 4th year med studentsno
- PHRM5003 Pharmacology Tutorial
- PHRM9020 P&T Seminar
- COGS8120 Cardiovascular Physiology and Pharmacology
- PHRM8043-Grad Antihypertensives
- PHRM8043-Grad Lipid lowering Drugs
- BIOM8230 Biology of Proteins in Disease-Molecular Basis of Circadian Rhythms

### Current Trainees (2018)

Yanyan Xu (PhD candidate Department of Pharmacology)

Wenhu Pi, PhD (post-doctoral fellow)

Alex Huynh (research Assistant)

### PhD Students Graduated

Paramita Pati, PhD (2015) *Circadian Clock in Angiotensin II Induced Hypertension and Vascular Disease*

### Past Laboratory Trainees

- Ciprian Anea, M.D., Research Scientist, Austria
- Bo Cheng, Ph.D., Associate Professor, Tongji Medical College
- Ana Merloiu
- Jina Kim, (resident)
- Monica Davis, Erskine College undergraduate (STAR program)
- Xia Shang, M.D., graduate student Wuhan University
- Bryan Simkins, Technician
- Zubin Mehta, Medical Student
- Chris Weber, Medical Student
- Miaoxiang Zhang, Ph.D., Post-Doctoral Associate

### Student Thesis Committees

- Muhammed Irfan Ali (Stepp)
- Tiffany Nguyen (Johnson)
- Marlina Manhani (Imig)
- Jessica Osmond (Stepp)
- Deepesh Pandey (Fulton)
- Sean Elms (Fulton)
- Jin Qian (Fulton)
- Ashok Sharma (Mcindoe)/Dean's Representative
- Yusi Wang (Fulton)
- Christine Gross (Black)
- Shiqiung (Grace) Qiu (Stepp)
- Maha Coucha (Ergul)
- Emily Dou (Bagi)
- Alec Davila (Bagi)
  
- Thesis Defense (Reader)
  - April Welborn (Marrero)
  - Shu Zu (White)
  - Pimonrat Ketwawasonk (Marrero)
  - Alexis Simkins (Imig)
  - Matt Socha (Motamed)
  - Jiping Xia (Bergson)
  - Kou Qin (Lambert)
  - David Osmond (Inscho)
  - Namita Hattangady (acted as Dean's representative/Rainey)
  - Matthew Walker (Johnson)

### **INVITED LECTURES**

- University of Kentucky (December, 2018)
- American Heart Association, Anaheim CA (November, 2017)
- ATVB, Minneapolis, MN (May, 2017)

- Nitric Oxide Gordon Conference, Ventura CA (February 2017)
- Oxygen Radicals Gordon Research Conference Ventura, CA (February, 2016)
- UAB Hypertension Symposium (September, 2015)
- American Heart Association, Orlando, FL (November, 2015)
- Keystone Symposia circadian clocks and the cardiometabolome, (Utah, March 2013)
- Emory University (January, 2013)
- American Heart Association Conference (November, 2012)
- East Carolina University (October, 2012)
- Scripps, Florida (February, 2012)
- Experimental Biology, Circadian Symposium (May 2012)
- International Society for Heart Research (ISHR) North American section meeting (May, 2012)
- 2012 NOX Family NADPH Oxidases Gordon Research Conference (June, 2012)
- Southeast Lipid Research Conference (2011)
- Joint International Meeting of the European Society of Microcirculation (ESM) and the German Society of Microcirculation (GfMVB), Munich, Germany (2011)
- Vasculata Conference (2011)
- 26th Conference of the International Society for *Chronobiology* (ISC), Vigo Spain (2010)
- University of Michigan, Department of Molecular and Integrative Physiology, (2010)
- NIDDK Workshop, Circadian clocks in metabolism and disease, Bethesda, MD (2010)
- University of Pennsylvania, Department of Pharmacology, Philadelphia, PA (2008)
- Morehouse University, Cardiovascular Research Insititue, Atlanta, GA (2007)
- Harvard University, Department of Pathology, Boston, MA (2005)
- FASEB Summer Research Conference/Retinoids, Tucson, AZ (2002)
- Yale University, GCRC Symposium, New Haven, CT (1999)

### **PUBLICATIONS (Search 'Rudic RD OR Rudic D' on PubMed)**

1. Fulton DJR, Li X, Bordan Z, Wang Y, Mahboubi K, Rudic RD, et al. Galectin-3: A Harbinger of Reactive Oxygen Species, Fibrosis, and Inflammation in Pulmonary Arterial Hypertension. *Antioxidants & redox signaling*. 2019. doi: 10.1089/ars.2019.7753. PubMed PMID: 30767565.
2. Elmarakby A, Faulkner J, Pati P, Rudic RD, Bergson C. Increased arterial pressure in mice with overexpression of the ADHD candidate gene calcyon in forebrain. *PloS one*. 2019;14(2):e0211903. doi: 10.1371/journal.pone.0211903. PubMed PMID: 30753204; PubMed Central PMCID: PMC6372185.
3. Li X, Yu Y, Gorshkov B, Haigh S, Bordan Z, Weintraub D, et al. Hsp70 Suppresses Mitochondrial Reactive Oxygen Species and Preserves Pulmonary Microvascular Barrier Integrity Following Exposure to Bacterial Toxins. *Frontiers in immunology*. 2018;9:1309. doi: 10.3389/fimmu.2018.01309. PubMed PMID: 29951058; PubMed Central PMCID: PMC6008539.



4. Anea CB, Merloiu AM, Fulton DJR, Patel V, Rudic RD. Immunohistochemistry of the circadian clock in mouse and human vascular tissues. *Vessel plus*. 2018;2. doi: 10.20517/2574-1209.2018.46. PubMed PMID: 30101218; PubMed Central PMCID: PMC6085090.
5. Dou H, Feher A, Davila AC, Romero MJ, Patel VS, Kamath VM, Gooz MB, Rudic RD, Lucas R, Fulton DJ, Weintraub NL and Bagi Z. Role of Adipose Tissue Endothelial ADAM17 in Age-Related Coronary Microvascular Dysfunction. *Arterioscler Thromb Vasc Biol*. 2017;37:1180-1193.
6. Wang Y, Pati P, Xu Y, Chen F, Stepp DW, Huo Y, Rudic RD and Fulton DJ. Endotoxin Disrupts Circadian Rhythms in Macrophages via Reactive Oxygen Species. *PLoS One*. 2016;11:e0155075.
7. Shang X, Pati P, Anea CB, Fulton DJ and Rudic RD. Differential Regulation of BMAL1, CLOCK, and Endothelial Signaling in the Aortic Arch and Ligated Common Carotid Artery. *J Vasc Res*. 2016;53:269-278.
8. Pati P, Fulton DJR, Bagi Z, Chen F, Wang YS, Kitchens J, Cassis LA, Stepp DW and Rudic RD. Low-Salt Diet and Circadian Dysfunction Synergize to Induce Angiotensin II-Dependent Hypertension in Mice. *Hypertension*. 2016;67:661-668.
9. Pati P, Fulton DJ, Bagi Z, Chen F, Wang Y, Kitchens J, Cassis LA, Stepp DW and Rudic RD. Low-Salt Diet and Circadian Dysfunction Synergize to Induce Angiotensin II-Dependent Hypertension in Mice. *Hypertension*. 2016;67:661-8.
10. Nernpermpisooth N, Qiu S, Mintz JD, Suvitayavat W, Thirawarapan S, Rudic DR, Fulton DJ and Stepp DW. Obesity alters the peripheral circadian clock in the aorta and microcirculation. *Microcirculation*. 2015;22:257-66.
11. Lei X, Basu D, Li Z, Zhang M, Rudic RD, Jiang XC and Jin W. Hepatic overexpression of the prodomain of furin lessens progression of atherosclerosis and reduces vascular remodeling in response to injury. *Atherosclerosis*. 2014;236:121-30.
12. Ellison S, Gabunia K, Richards JM, Kelemen SE, England RN, Rudic D, Azuma YT, Munroy MA, Eguchi S and Autieri MV. IL-19 reduces ligation-mediated neointimal hyperplasia by reducing vascular smooth muscle cell activation. *Am J Pathol*. 2014;184:2134-43.
13. Anea CB, Zhang M, Chen F, Ali MI, Hart CM, Stepp DW, Kovalenkov YO, Merloiu AM, Pati P, Fulton D and Rudic RD. Circadian clock control of nox4 and reactive oxygen species in the vasculature. *PLoS One*. 2013;8:e78626.
14. Yu J, Zhang Y, Zhang X, Rudic RD, Bauer PM, Altieri DC and Sessa WC. Endothelium derived nitric oxide synthase negatively regulates the PDGF-survivin pathway during flow-dependent vascular remodeling. *PLoS One*. 2012;7:e31495.
15. Pandey D, Patel A, Patel V, Chen F, Qian J, Wang Y, Barman SA, Venema RC, Stepp DW, Rudic RD and Fulton DJ. Expression and functional significance of NADPH oxidase 5 (Nox5) and its splice variants in human blood vessels. *Am J Physiol Heart Circ Physiol*. 2012;302:H1919-28.
16. Chen F, Yu Y, Qian J, Wang Y, Cheng B, Dimitropoulou C, Patel V, Chadli A, Rudic RD, Stepp DW, Catravas JD and Fulton DJ. Opposing actions of heat shock protein 90 and 70

regulate nicotinamide adenine dinucleotide phosphate oxidase stability and reactive oxygen species production. *Arterioscler Thromb Vasc Biol.* 2012;32:2989-99.

17. Anea CB, Cheng B, Sharma S, Kumar S, Caldwell RW, Yao L, Ali MI, Merloiu AM, Stepp DW, Black SM, Fulton DJ and Rudic RD. Increased superoxide and endothelial NO synthase uncoupling in blood vessels of Bmal1-knockout mice. *Circ Res.* 2012;111:1157-65.

18. Pandey D, Chen F, Patel A, Wang CY, Dimitropoulou C, Patel VS, Rudic RD, Stepp DW and Fulton DJ. SUMO1 negatively regulates reactive oxygen species production from NADPH oxidases. *Arterioscler Thromb Vasc Biol.* 2011;31:1634-42.

19. Cheng B, Anea CB, Yao L, Chen F, Patel V, Merloiu A, Pati P, Caldwell RW, Fulton DJ and Rudic RD. Tissue-intrinsic dysfunction of circadian clock confers transplant arteriosclerosis. *Proc Natl Acad Sci U S A.* 2011;108:17147-52.

20. Simpkins AN, Rudic RD, Roy S, Tsai HJ, Hammock BD and Imig JD. Soluble epoxide hydrolase inhibition modulates vascular remodeling. *Am J Physiol Heart Circ Physiol.* 2010;298:H795-806.

21. Qian J, Zhang Q, Church JE, Stepp DW, Rudic RD and Fulton DJ. Role of local production of endothelium-derived nitric oxide on cGMP signaling and S-nitrosylation. *Am J Physiol Heart Circ Physiol.* 2010;298:H112-8.

22. Anea CB, Ali MI, Osmond JM, Sullivan JC, Stepp DW, Merloiu AM and Rudic RD. Matrix metalloproteinase 2 and 9 dysfunction underlie vascular stiffness in circadian clock mutant mice. *Arterioscler Thromb Vasc Biol.* 2010;30:2535-43.

23. Simpkins AN, Rudic RD, Schreihof DA, Roy S, Manhiani M, Tsai HJ, Hammock BD and Imig JD. Soluble epoxide inhibition is protective against cerebral ischemia via vascular and neural protection. *Am J Pathol.* 2009;174:2086-95.

24. Rudic RD and Fulton DJ. Pressed for time: the circadian clock and hypertension. *Journal of applied physiology.* 2009;107:1328-38.

25. Rudic RD. Time is of the essence: vascular implications of the circadian clock. *Circulation.* 2009;120:1714-21.

26. Anea CB, Zhang M, Stepp DW, Simpkins GB, Reed G, Fulton DJ and Rudic RD. Vascular disease in mice with a dysfunctional circadian clock. *Circulation.* 2009;119:1510-7. **188 citations.**

27. Zhang Q, Malik P, Pandey D, Gupta S, Jagnandan D, Belin de Chantemele E, Banfi B, Marrero MB, Rudic RD, Stepp DW and Fulton DJ. Paradoxical activation of endothelial nitric oxide synthase by NADPH oxidase. *Arterioscler Thromb Vasc Biol.* 2008;28:1627-33.

28. Zemse SM, Hilgers RH, Simpkins GB, Rudic RD and Webb RC. Restoration of endothelin-1-induced impairment in endothelium-dependent relaxation by interleukin-10 in murine aortic rings. *Can J Physiol Pharmacol.* 2008;86:557-65.

29. Reilly DF, Curtis AM, Cheng Y, Westgate EJ, Rudic RD, Paschos G, Morris J, Ouyang M, Thomas SA and FitzGerald GA. Peripheral circadian clock rhythmicity is retained in the absence of adrenergic signaling. *Arterioscler Thromb Vasc Biol.* 2008;28:121-6.

30. Rudic RD, McNamara P, Reilly D, Grosser T, Curtis AM, Price TS, Panda S, Hogenesch JB and FitzGerald GA. Bioinformatic analysis of circadian gene oscillation in mouse aorta. *Circulation*. 2005;112:2716-24.
31. Rudic RD, Curtis AM, Cheng Y and FitzGerald G. Peripheral clocks and the regulation of cardiovascular and metabolic function. *Methods Enzymol*. 2005;393:524-39.
32. Rudic RD, Brinster D, Cheng Y, Fries S, Song WL, Austin S, Coffman TM and FitzGerald GA. COX-2-derived prostacyclin modulates vascular remodeling. *Circ Res*. 2005;96:1240-7.
33. Sato TK, Panda S, Miraglia LJ, Reyes TM, Rudic RD, McNamara P, Naik KA, FitzGerald GA, Kay SA and Hogenesch JB. A functional genomics strategy reveals Rora as a component of the mammalian circadian clock. *Neuron*. 2004;43:527-37. **827 citations**
34. Rudic RD, McNamara P, Curtis AM, Boston RC, Panda S, Hogenesch JB and Fitzgerald GA. BMAL1 and CLOCK, two essential components of the circadian clock, are involved in glucose homeostasis. *PLoS Biol*. 2004;2:e377. **840 citations**
35. Curtis AM, Seo SB, Westgate EJ, Rudic RD, Smyth EM, Chakravarti D, FitzGerald GA and McNamara P. Histone acetyltransferase-dependent chromatin remodeling and the vascular clock. *J Biol Chem*. 2004;279:7091-7.
36. Yu J, Rudic RD and Sessa WC. Nitric oxide-releasing aspirin decreases vascular injury by reducing inflammation and promoting apoptosis. *Lab Invest*. 2002;82:825-32.
37. Scotland RS, Morales-Ruiz M, Chen Y, Yu J, Rudic RD, Fulton D, Gratton JP and Sessa WC. Functional reconstitution of endothelial nitric oxide synthase reveals the importance of serine 1179 in endothelium-dependent vasomotion. *Circ Res*. 2002;90:904-10.
38. Tereb DA, Kirkiles-Smith NC, Kim RW, Wang Y, Rudic RD, Schechner JS, Lorber MI, Bothwell AL, Pober JS and Tellides G. Human T cells infiltrate and injure pig coronary artery grafts with activated but not quiescent endothelium in immunodeficient mouse hosts. *Transplantation*. 2001;71:1622-30.
39. McNamara P, Seo SB, Rudic RD, Sehgal A, Chakravarti D and FitzGerald GA. Regulation of CLOCK and MOP4 by nuclear hormone receptors in the vasculature: a humoral mechanism to reset a peripheral clock. *Cell*. 2001;105:877-89. **447 citations**
40. Rudic RD, Bucci M, Fulton D, Segal SS and Sessa WC. Temporal events underlying arterial remodeling after chronic flow reduction in mice: correlation of structural changes with a deficit in basal nitric oxide synthesis. *Circ Res*. 2000;86:1160-6.
41. Luo Z, Fujio Y, Kureishi Y, Rudic RD, Daumerie G, Fulton D, Sessa WC and Walsh K. Acute modulation of endothelial Akt/PKB activity alters nitric oxide-dependent vasomotor activity in vivo. *J Clin Invest*. 2000;106:493-9. **199 citations**
42. Bucci M, Gratton JP, Rudic RD, Acevedo L, Roviezzo F, Cirino G and Sessa WC. In vivo delivery of the caveolin-1 scaffolding domain inhibits nitric oxide synthesis and reduces inflammation. *Nat Med*. 2000;6:1362-7. **550 citations**

43. Rudic RD and Sessa WC. Nitric oxide in endothelial dysfunction and vascular remodeling: clinical correlates and experimental links. *Am J Hum Genet.* 1999;64:673-7.
44. Papapetropoulos A, Rudic RD and Sessa WC. Molecular control of nitric oxide synthases in the cardiovascular system. *Cardiovasc Res.* 1999;43:509-20. **243 citations**
45. Rudic RD, Shesely EG, Maeda N, Smithies O, Segal SS and Sessa WC. Direct evidence for the importance of endothelium-derived nitric oxide in vascular remodeling. *J Clin Invest.* 1998;101:731-6. **872 citations**
46. Papapetropoulos A, Desai KM, Rudic RD, Mayer B, Zhang R, Ruiz-Torres MP, Garcia-Cardena G, Madri JA and Sessa WC. Nitric oxide synthase inhibitors attenuate transforming-growth-factor-beta 1-stimulated capillary organization in vitro. *Am J Pathol.* 1997;150:1835-44. **155 citations**

*h-index=28, 4380 citations*

\*Cites and h-index provided by google scholar

### **BOOKS AND CHAPTERS:**

- Rudic, R.D. 2008. *Unanswered Questions*. Edited by Peter J. Russell. 1st ed, *Biology : the dynamic science*. Australia ; Belmont, CA: Thomson Brooks/Cole.
- Rudic, R.D. 2011. *Unanswered Questions*. Edited by Peter J. Russell, Paul E. Herz and Beverly McMillan. 2nd ed, *Biology : the dynamic science*. Belmont, CA: Brooks/Cole, Cengage Learning.
- Rudic, R.D. 2014. *Unanswered Questions*. Edited by Peter J. Russell, Paul E. Herz and Beverly McMillan. Third Edition / ed, *Biology : the dynamic science*. Belmont, CA: Brooks/Cole, Cengage Learning.
- Rudic, R.D. 2015. *The cardiovascular clock*. Edited by Christopher S. Colwell, *Circadian medicine*. Hoboken, New Jersey: John Wiley & Sons Inc.
- Rudic, R.D. 2016. *Circadian rhythms and the circadian clock in the cardiovascular system*. Edited by M.L. Gumz, *Circadian Clocks: Role in Health and Disease*: Springer New York.
- Rudic, R.D. 2016. *Unanswered Questions*. Edited by P.J. Russell, P.E. Hertz and B. McMillan, *Biology: The Dynamic Science*: Cengage Learning.