

CURRICULUM VITAE
Antony Chu, M.D., F.A.C.C., F.H.R.S., F.A.H.A., F.A.C.P.

February 2019

EMPLOYER

Cardiovascular Institute, Lifespan Physicians Group
Rhode Island Hospital, 593 Eddy St, APC 743
Providence, RI 02903
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antony_chu@brown.edu

EDUCATION

Undergraduate: University of Wisconsin – Madison
B.S. *Honors cum laude*, Genetics, 1994

Medical School: Yale University School of Medicine
M.D., 2002

POSTGRADUATE TRAINING

Residency: Howard Hughes Medical Institute Research Scholar,
1998-1999

Hospital of the University of Pennsylvania
Intern, Internal Medicine, 2002-2003

Hospital of the University of Pennsylvania
Resident, Internal Medicine, 2003-2005

Fellowship: Hospital of the University of Pennsylvania
Cardiology Fellowship, 2005-2007

Hospital of the University of Pennsylvania
Cardiac Electrophysiology Fellowship, 2007-2009

POSTGRADUATE HONORS AND AWARDS

2016 Dean's Excellence in Teaching Faculty Award, Brown University

2016 Richard B. Salomon Faculty Research Award, Brown University
The Richard B. Salomon Faculty Research Award was established to support excellence in scholarly work by providing funding for selected Brown faculty research projects deemed to be of exceptional merit. Awardees are selected from the greater Brown University faculty.

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- 2016 Harvard-Macy Institute Scholar, Harvard-Macy Institute at Harvard Medical School
The goal of the Harvard Macy Institute Program for Educators in Health Professions is to enhance the professional development of physicians, basic scientists and other healthcare professionals as educators. This program is built around six major themes: teaching and learning, curriculum design and implementation, evaluation, leadership, educational research and information technology. I have designed and will implement a digital online interactive arrhythmia simulator and curriculum. This project is designed to be completed with the collaboration of the Harvard-Macy Institute at Harvard Medical School.
- 2015 Beckwith Faculty Teaching Award, Warren Alpert School of Medicine.
Awarded annually for outstanding faculty teaching, this award represents the highest honor bestowed by the Department of Medicine for faculty teaching. Recipients are nominated by medical students, residents, fellows and faculty of the Warren Alpert School of Medicine. The last time a faculty member from the Division of Cardiology received this award was in 2007
- 2015 ACC Travel Award
- 2009 Boston Scientific EP Fellowship Award
- 2008 Medtronic EP Fellowship Award
- 2004 Edward W Holmes Research Award, University of Pennsylvania
- 1997 Yale Medical Student Council Community Service Award
- 1994 U.S. Congressional Intern – United States Senator Russell Feingold
United States Information Agency Scholarship
- 1993 National Science Foundation Undergraduate Fellowship
Knapps-Brittingham Senior Honors Thesis Award
UW-Madison Center for Biology Education Scholarship
Hilldale Research Scholar
Deans Honors List
Gamma Sigma Delta Honor Society
Golden Key Honor Society
Dobro Slovo Slavic Honor Society

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

Medical Licensure: Rhode Island, No. MD13862/CMD13862
(2012-present)
New Jersey, No. 25MA08201400
(2007-present)
Pennsylvania, No. MD425544
(2004-present)

DEA License: Pennsylvania, New Jersey, Rhode Island

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Board Certification (ABIM):	Clinical Cardiac Electrophysiology, 2014 Cardiovascular Disease, 2011 Internal Medicine, 2005
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Board Certification (NBPAS):	Clinical Cardiac Electrophysiology Cardiovascular Disease Internal Medicine
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ACADEMIC APPOINTMENTS

June 2015 - present	Program Director, Cardiac Electrophysiology Fellowship Division of Cardiology at the Rhode Island and Miriam Hospitals Warren Alpert School of Medicine, Brown University
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August 2012 - present	Assistant Professor of Medicine Warren Alpert School of Medicine, Brown University
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HOSPITAL APPOINTMENTS

Sept. 2016 – present	Director of Cardiac Electrophysiology – Interim
April 2015 – Feb 2016	Division of Cardiology at the Rhode Island and Miriam Hospitals Warren Alpert School of Medicine, Brown University

May 2015 – present	Director, Heart Station and Remote Arrhythmia Device Services Division of Cardiology at the Rhode Island and Miriam Hospitals Warren Alpert School of Medicine, Brown University
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July 2012 – present	Director of Complex Ablation - Arrhythmia Services Section Division of Cardiology at the Rhode Island and Miriam Hospitals Warren Alpert School of Medicine, Brown University
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July 2009 - 2012	Director of Atrial Fibrillation Ablation The Reading Hospital Medical Center Thomas Jefferson University Affiliated Teaching Hospital
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OTHER APPOINTMENTS

2018 – 2021	Medical Faculty Executive Committee (MFEC) Warren Alpert Medical School
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2017	Marseilles Symposium and Round Table Discussion Planning Committee
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2017	European Cardiac Arrhythmia Society (ECAS) Planning Committee
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2015 - present	American College of Cardiology (ACC) Curriculum Design Committee
2014 - present	Brown Arrhythmia Symposium, Program Director

HOSPITAL COMMITTEES

2017 – present	Lifespan Cardiovascular Institute Senior Operations Group
2015 - present	Rhode Island Hospital and The Miriam Hospital Continuing Medical Education Committee
2015 - present	Rhode Island Hospital and The Miriam Hospital Cardiovascular Institute Quality Steering Committee

MEMBERSHIP IN SOCIETIES

2017	Founding member, European Cardiac Arrhythmia Society
2015	Fellow of the Heart Rhythm Society (FHRS)
2013	Fellow of the American Heart Association (FAHA)
2103	Fellow of the American College of Cardiology (FACC)
2013	Fellow of the American College of Physicians (FACP)
2012	Member, European Heart Rhythm Association (EHRA)
2001	Yale-Cambridge Fellowship
1999	Howard Hughes Medical Institute Research Fellowship
1997	Yale Summer Research Fellow
1995	Oscar Mayer Wienermobile Driver, "Hotdogger"

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. De Jong, W., Mise, K., **Chu, A.**, Ahlquist, P. (1997) Effects of Coat protein mutations and reduced movement protein expression on infection spread by Cowpea Chlorotic Mottle Virus and its hybrid derivatives. *Virology* 232, 167-173.

CURRICULUM VITAE

Antony Chu, M.D., F.A.C.C., F.H.R.S., F.A.H.A., F.A.C.P.

2. De Jong, W., **Chu, A.**, Ahlquist, P. (1995) Coding Changes in the 3a cell-to-cell movement gene can extend the host range on Brome Mosaic Virus systemic infection. *Virology* 214, 464-474.
3. **Chu AF.**, Morgan III, CA.(2002) Does History of Trauma Predict Hypothalamic-Pituitary-Adrenal Differences as measured by Cortisol and DHEA Among Healthy Individuals following exposure to Stress? *Yale Journal of Biology and Medicine* 2002 May-June ;75(3): 131-133
4. **Chu AF.**, Patel VV. (2004) Overexpression of Homedomain Only Protein (HOP) leads to cardiac hypertrophy and fibrosis. Heart Rhythm Society Oral Abstract.
5. Li J., Patel VV., Kostetskii I., Xiong Y., **Chu AF.**, Jacobson JT., Yu C., Morley GE., Molkentin JD., Radice GL. Cardiac-specific loss of N-cadherins leads to alteration in connexins with conduction slowing and arrhythmogenesis. *Circ Res.* 2005 Sep 2;97(5):474-81. Epub 2005 Aug 11. *PMID: 16100040*
6. Liu F., Levin M., Petrenko N., Lu M., **Chu AF.**, Wang T., Stout A., Epstein J., Patel V.(2008) Histone-deacetylase Inhibition Reverses Atrial Arrhythmia Inducibility and Atrial Fibrosis Independent of Angiotensin in Cardiac Hypertrophy. *American Journal of Physiology* 2008 March; 294(3) C659-C661
7. **Chu AF.**, Zado E., Marchlinski FE. Atrial Arrhythmias in Patients with Arrhythmogenic Right Ventricular Cardiomyopathy/Dysplasia and Ventricular Tachycardia. *Am J Cardiol.* 2010 Sep 1;106(5):720-2. doi: 10.1016/j.amjcard.2010.04.031. Epub 2010 Jul 23. *PMID: 20723652*
8. **Chu AF.** A Novel Solution for Detecting Subclinical Arrhythmia in Patients Who Require a Single-Chamber ICD. EP Lab Digest - Volume 13 - Issue 8 - August 2013
9. Bailey WM, Rosenthal L, Fananapazir L, Gleva M, Mazur A, Rinaldi CA, Kypta A, Merkely B, Woodard PK; ProMRI/ProMRI AFFIRM Study Investigators. Clinical safety of the ProMRI pacemaker system in patients subjected to head and lower lumbar 1.5-T magnetic resonance imaging scanning conditions. *Heart Rhythm.* 2015 Jun;12(6):1183-91. doi: 10.1016/j.hrthm.2015.02.010. Epub 2015 Feb 11. *PMID: 25680307*
10. Jiang N., Zhou A., Imran H., Shi G., Kaseer B., Siu V., Philips B., **Chu A.**, Donaldson D., Kim M., Kirk M., and Dudley SC. Cardiac resynchronisation improves circulating markers of sarcoplasmic reticulum calcium handling and sudden death risk. *European Heart Journal*, Vol 37;1289 Publication date: 2016/8/1
11. Sebasigari D, Merkler A, Guo Y, Gialdini G, Kummer B, Hemendinger M, Song C, **Chu AF**, Cutting S, Silver B, Elkind MS, Kamel H, Furie KL, Yaghi S. Biomarkers of Atrial Cardiopathy and Atrial Fibrillation Detection on Mobile Outpatient Continuous Telemetry After Embolic Stroke of Undetermined Source. *J Stroke Cerebrovasc Dis.*

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Antony Chu, M.D., F.A.C.C., F.H.R.S., F.A.H.A., F.A.C.P.

2017 Jun;26(6):1249-1253. doi: 10.1016/j.jstrokecerebrovasdis.2017.01.016. Epub 2017 Feb 22. *PMID: 28237125*

12. McCauley B, **Chu AF**. Minimally Invasive Closure of the LAA: A Nonpharmacologic Approach to prevention of Stroke in patients with Atrial Fibrillation. *RI Med J* (2013). 2017 May 1;100(5):23-26. Review. *PMID: 28459917*
13. Sharma E., Arunachalam K., Maan A., **Chu AF**. PVC-Induced Cardiomyopathy and the Role of Catheter Ablation. *Crit Pathw Cardiol*. 2017 Jun;16(2):76-80. doi: 10.1097/HPC.000000000000106. Review. *PMID: 28509708*
14. Montalvo M, Tadi P, Merkler A, Gialdini G, Martin-Schild S, Navalkele D, Samai A, Nouh A, Hussain M, Goldblatt S, Hemendinger M, **Chu A**, Song C, Kamel H, Furie KL, Yaghi S. PR Interval Prolongation and Cryptogenic Stroke: A Multicenter Retrospective Study. *J Stroke Cerebrovasc Dis*. 2017 Oct;26(10):2416-2420. doi: 10.1016/j.jstrokecerebrovasdis.2017.05.036. Epub 2017 Jun 27. *PMID: 28666806*
15. Dakay K, Chang AD, Hemendinger M, Cutting S, McTaggart RA, Jayaraman MV, **Chu A**, Panda N, Song C, Merkler A, Gialdini G, Kummer B, Lerario MP, Kamel H, Elkind MSV, Furie KL, Yaghi S. Left atrial Enlargement and Anticoagulation Status in Patients with Acute Ischemic Stroke and Atrial fibrillation. *J Stroke Cerebrovasc Dis*. 2018 Jan;27(1):192-197. doi: 10.1016/j.jstrokecerebrovasdis.2017.08.025. Epub 2017 Sep 13. *PMID: 28918087*
16. McCauley B, **Chu AF**. Leadless Cardiac Pacemakers: The Next Evolution in Pacemaker Technology. *RI Med J* (2013). 2017 Nov 1;100(11):31-34. Review. *PMID: 29088572*
17. Sharma E., **Chu AF**. Predictors of Right Ventricular Pacing and Pacemaker Dependence in Transcatheter Aortic Valve Replacement Patients. *J Interv Card Electrophysiol*. 2018 Jan;51(1):77-86. doi: 10.1007/s10840-017-0303-1. Epub 2017 Dec 19. *PMID: 29260369*
18. Yaghi S, Chang AD, Hung P, MacGrory B, Collins S, Gupta A, Reynolds J, Finn CB, Hemendinger M, Cutting SM, McTaggart RA, Jayaraman M, Leasure A, Sansing L, Panda N, Song C, **Chu A**, Merkler A, Gialdini G, Sheth KN, Kamel H, Elkind MSV, Greer D, Furie K, Atalay M. Left Atrial Appendage Morphology and Embolic Stroke of Undetermined Source: A Cross-Sectional Multicenter Pilot Study. *J Stroke Cerebrovasc Dis*. 2018 Jun;27(6):1497-1501. doi: 10.1016/j.jstrokecerebrovasdis.2017.12.036. Epub 2018 Feb 3. *PMID: 29398537*
19. Jiang N., Zhou A., Imran H., Shi G., Kaseer B., Siu V., Rijal J., **Chu A.**, Donaldson D., Kim M., Kirk M., Philips B., Orlov M. and Dudley SC. Cardiac Resynchronization Improves Cardiac Sodium Channel mRNA Splicing Most in Patients With Severe Heart Failure. 29 Mar 2018. *Circulation*. 2018;134:A13939
20. Ricci B, Chang AD, Hemendinger M, Dakay K, Cutting S, Burton T, Mac Grory B, Narwal P, Song C, **Chu A**, Mehanna E, McTaggart R, Jayaraman M, Furie K, Yaghi S. A

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Simple Score That Predicts Paroxysmal Atrial Fibrillation on Outpatient Cardiac Monitoring after Embolic Stroke of Unknown Source. *J Stroke Cerebrovasc Dis.* 2018 Jun;27(6):1692-1696. doi: 10.1016/j.jstrokecerebrovasdis.2018.01.028. Epub 2018 Feb 28. PMID: 29501269

21. Avula UMR, Hernandez JJ, Yamazaki M, Valdivia CR, **Chu A**, Rojas-Pena A, Kaur K, Ramos-Mondragón R, Anumonwo JM, Nattel S, Valdivia HH, Kalifa J. Atrial Infarction-Induced Spontaneous Focal Discharges and Atrial Fibrillation in Sheep: Role of Dantrolene-Sensitive Aberrant Ryanodine Receptor Calcium Release. *Circ Arrhythm Electrophysiol.* 2018 Mar 11(3): e005659. doi: 10.1161/CIRCEP.117.005659. PMID: 29540372
22. Malhame I, Gandhi C, Tarabulsi G, Esposito M, Lombardi K, Chu A and Chen K. Maternal monitoring and safety considerations during antiarrhythmic treatment for fetal supraventricular tachycardia. SAGE Publishing and Obstetric Medicine November 15, 2018 <https://doi.org/10.1177/1753495X18808118>

OTHER PEER-REVIEWED PUBLICATIONS

BOOKS AND BOOK CHAPTERS

1. Bhushan, V., Le, T., Amin, C., Chu, A., Choo, E. First Aid for the USMLE Step 2. McGraw-Hill, 1999, 2000, 2001.
2. Chu, A., Bhushan, V., Amin, C., Le, T., Choo, E. First Aid for the USMLE Step 1. McGraw-Hill, 1999, 2000, 2001.

OTHER NON-PEER REVIEWED PUBLICATIONS

CORPORATE AUTHORSHIP OR MULTICENTER TRIALS

“Site-specific localization and Anti-Tachycardia Pacing therapy for Diagnosis and Treatment of Ventricular Arrhythmias utilizing a Novel Active Powered Endocardial Lead Sensor” Chu AF. And Rosenstein J. \$15, 000 Richard Salomon Faculty Research Award

“A Phone-Delivered Mindfulness Intervention to Promote Adjustment To Life with a Cardiac Defibrillator” Salmoirago-Blotcher E., Chu AF. RO1 Application (*In submission*)

ABSTRACTS

1. Tardos JG, Tardos GI, Su J, **Chu AF**, Thermodynamic Heat Conduction Model Suggests Cooling Profiles Are Predictive of Acute Procedural Success During CRYOABLATION

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Antony Chu, M.D., F.A.C.C., F.H.R.S., F.A.H.A., F.A.C.P.

for Pulmonary Vein Isolation. Warren Alpert School of Medicine, Brown University Research Symposium, Providence, R.I. October 2, 2015

2. Mourad A, **Chu AF**. Post-TAVR Pacing Outcomes. European Cardiac Arrhythmia Society. Oral Abstract Presentation. Paris, France, April 17-19, 2016
3. Jiang N., Zhou A., Imran H., Shi G., Kaseer B., Siu V., Philips B., **Chu A.**, Donaldson D., Kim M., Kirk M. and Dudley SC. Cardiac Resynchronization Decreases Abnormal Cardiac Sodium Channel mRNA Splicing. Oral Presentation at: Heart Rhythm Society, San Francisco, CA. May 4-7, 2016
4. Jiang N., Zhou A., Imran H., Shi G., Kaseer B., Siu V., Philips B., **Chu A.**, Donaldson D., Kim M., Kirk M., Dudley SC. Cardiac resynchronization improves circulating markers of sarcoplasmic reticulum calcium handling and sudden death risk. European Society of Cardiology, Rome, Italy. August 27-31, 2016.
5. **Chu AF**. Predictors of Persistent of Complete Heart Block Following Transcatheter Aortic Valve Replacement. American Heart Association Scientific Sessions, New Orleans, LA. November 13, 2016
6. Teigler T., **Chu AF**. Mobile Device Technology and Spaced-Education Adaptive Learning Algorithms for ECG Interpretation. Innovations in Medical Education Conference, Los Angeles, CA. February 25, 2017
7. McCauley B., **Chu AF**. Outcomes from Utilizing Mobile Device Technology and Spaced-Education Adaptive Learning for ECG Interpretation. American College of Cardiology, Washington D.C., March 17-19, 2017
8. Gannon S., **Chu AF**. Sudden Unexpected Death in Epilepsy and Long QT Syndrome American College of Cardiology, Washington D.C., March 17-19, 2017
9. Sharma E., **Chu AF**. Predictors of Long-Term RV Pacing in Patients Post Transcatheter Aortic Valve Replacement. European Cardiac Arrhythmia Society, Rome, Italy April 2-4, 2017
10. **Chu AF**. Designing a Digital Curriculum using Spaced Adaptive Learning. Warren S. Alpert School of Medicine, Brown University Faculty Medical Education, Providence RI. April 4, 2017
11. Torbey E., Kirk M., Panda N., Donaldson D., **Chu AF**. Atrial Fibrillation Recurrence After Ablation of Nodal and Atrioventricular Reentrant Tachycardia: A Meta-Analysis. Heart Rhythm Society Scientific Sessions, Chicago IL., May 10-13, 2017
12. Arunachalam K., Maan A., **Chu AF**. Incidence, gender and racial differences in out of hospital cardiac arrest from 2012 to 2013 using national inpatient database. European Heart Rhythm Association (EHRA) EUROPACE-CARDIOSTIM, Vienna, Austria. June 18-21, 2017

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Antony Chu, M.D., F.A.C.C., F.H.R.S., F.A.H.A., F.A.C.P.

13. Sharma E., **Chu AF**. Contact-Force versus Non-Contact Force Sensing Catheter Complications: A Disturbance in the Force? American Heart Association Scientific Sessions, Anaheim CA., November 11-15, 2017
14. Ricci B., Chang A., Hemendinger M., Narwal P., Dakay K., Cutting S., MacGrory B., Burton T., Song C., McTaggart R., Jayaraman M., Panda N., **Chu A.**, Merkler A., Gupta A., Kamel H., Fuike K., and Yaghi S. Underutilization of Outpatient Cardiac Monitoring in Patients With Embolic Stroke of Unknown Source. 22 Jan 2018 https://doi.org/10.1161/str.49.suppl_1.WP278 *Stroke*. 2018;49: AWP278
15. Sangha M., **Chu AF**. Permanent Pacemaker Avoided In High Grade Atrioventricular Block. Atrial Fibrillation Management in Unique Clinical Settings. Presentation Number:1143-013 American College of Cardiology Scientific Sessions, Orlando FL, March 10, 2018 3:45PM-4:30PM Poster Hall, Hall A/B. *Journal of the American College of Cardiology* Volume 71, Issue 11 Supplement, March 2018 DOI: 10.1016/S0735-1097(18)30904-5
16. McCauley B., Sharma E, **Chu AF**. Contact Force versus Non-Contact Force Sensing Catheter Complications: Are Data Discrepancies Forcing our Hand? Management of Supraventricular Tachycardia - Presentation Number: 1144-045. American College of Cardiology Scientific Sessions, Orlando FL, March 10, 2018 3:45PM-4:30PM Poster Hall, Hall A/B.
17. Gannon S, **Chu AF**. Management of Atrial-esophageal Fistula After Left Atrial Ablation. FIT Clinical Decision Making: Arrhythmia and Electrophysiology - Presentation Number:1282-142. American College of Cardiology Scientific Sessions, Orlando FL, March 12, 2018 9:45AM-10:30AM Poster Hall, Hall A/B. *Journal of the American College of Cardiology* Volume 71, Issue 11 Supplement, March 12, 2018 DOI: 10.1016/S0735-1097(18)30904-5
18. Mourad A, **Chu A**. Predictors of Persistence of Complete Heart Block Post Transcatheter Aortic Valve Replacement. 29 Mar 2018 *Circulation*. 2018;134:A17748
19. Jiang N, Zhou A, Shi G, Imran H, Rijal J, Kirk M, Donaldson D, Orlov M, **Chu A**, Dudley SC. The Mechanism and Predictive Value of QRS Shortening in Cardiac Resynchronization Therapy in Patients With Heart Failure. 9 Jun 2018 *Circulation*. 2018;136:A19261
20. McCauley B, Sharma E, Dudley J, **Chu AF** Castle of Stone or Straw, Radiofrequency Ablation of Atrial Fibrillation in Heart Failure? 5 Nov 2018 *Circulation*. 2018;138:A17223
21. McCauley B., Kilic S., Sharma E., **Chu A**. Escaping the Untoward Effects of the ESCAPE Trial: A Multi-Disciplinary Hemodynamic Curriculum. Presentation of Innovations: Potpourri - Innovations in Medical Education (IME) Los Angeles, CA - Friday, February 22, 2019 1pm-2:30pm (Ballroom B2-C)

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22. McCauley B., Sharma E., **Chu A.** Using Mobile Device Technology and Spaced Education Adaptive Algorithms to Teach ECG Interpretation. Presentation of Innovations: Instructional Methods - Innovations in Medical Education (IME) Los Angeles, CA, Saturday, February 23, 2019 9:45am-11:15 am (Ballroom C)
23. Lam M, Kolte D, Kennedy K, Naidu S, Feldman D, **Chu A**, Aronow H. Incidence, Timing, and Predictors of Permanent Pacemaker Placement Following Alcohol Septal Ablation For Hypertrophic Cardiomyopathy. Presentation Number: 1154-039 American College of Cardiology Scientific Sessions, Orlando FL, March 16, 2019, 3:45 PM - 4:30 PM Poster Hall, Hall F
24. Frenchu K, Monteiro C, Flood S, Poppas A, **Chu A.** Brugada Syndrome: Death Reveals Its Perpetrator. Presentation Number: 1210-104 American College of Cardiology Scientific Sessions, Orlando FL, March 17, 2019, 9:45 AM - 10:30 AM Poster Hall, Hall F
25. Sharma E, McCauley B, Chaudry H, Wu M, Ahmed M, Rousseau L, **Chu A.** Calming the Storm: Severe Aortic Stenosis Causing Recurrent Ventricular Tachycardia Presentation Number: 1265-218 American College of Cardiology Scientific Sessions, Orlando FL March 17, 2019, 3:45 PM - 4:30 PM Poster Hall, Hall F
26. Sharma E, McCauley B, Sheikh W, Parulkar A, **Chu A.** Torsades de Pointes Secondary to Sotalol: Predictable But Not Always Preventable. Presentation Number: 1265-219 American College of Cardiology Scientific Sessions, Orlando FL March 17, 2019, 3:45 PM - 4:30 PM Poster Hall, Hall F
27. McCauley B, Sharma E, Kilic S, Ahmed M, **Chu A** A Multi-Disciplinary Technology-Enabled Curriculum For Invasive Hemodynamics in the Cardiac Intensive Care Unit. Presentation Number: 1314-170 American College of Cardiology Scientific Sessions, Orlando FL, March 18, 2019, 9:45 AM - 10:30 AM Poster Hall, Hall F
28. Rousseau L, Henien S, Sharma E, McCauley B, Wu M, **Chu A** Getting the Lead Out of Rv Pacing: Micra According to Maude Presentation Number: 1321-279 American College of Cardiology Scientific Sessions, Orlando FL, March 18, 2019, 9:45 AM - 10:30 AM Poster Hall, Hall F
29. Henien S, Rousseau L, Miller A, Karo R, **Chu A** Watchman Complications Reported in the Manufacturer and User Facility Device Experience Database Presentation Number: 1321-285 American College of Cardiology Scientific Sessions, Orlando FL, March 18, 2019, 9:45 AM - 10:30 AM Poster Hall, Hall F
30. Liu B, McCauley B, Rousseau L, Sharma E and **Chu A.** Micra Pacemaker With Macro Complications? A Systematic Pooled Analysis Of Published Studies Compared With Events In The Manufacturer And User Facility Device Experience Database. 40th Annual Heart Rhythm Society Scientific Sessions San Francisco, CA – May 8-11, 2019

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31. **Chu A.** Getting the LEAD out of RV Pacing – MICRA according to MAUDE. 40th Annual Heart Rhythm Society Scientific Sessions San Francisco, CA – May 8-11, 2019

SCHOLARLY WORK PUBLISHED IN OTHER MEDIA

1. Lifespan Living Blog - Dr. Antony Chu: Atrial Fibrillation Signs and Treatment -How Your Heart Beats with Atrial Fibrillation. December 21, 2018 <https://www.lifespan.org/lifespan-living/how-your-heart-beats-atrial-fibrillation>
2. WJAR -- Health Check: New Device to help with Atrial Fibrillation. Interview with Dr. Chu and his patient Louis Campagnone who successfully underwent implantation of a left atrial appendage occluder device (WATCHMAN). NBC 10 Rhode Island. November 8, 2017 <https://turnto10.com/features/health-landing-page/health-check-new-device-to-help-with-atrial-fibrillation>
3. NBC News Feature – World’s tiniest pacemaker implanted in RI man, making him 1st in the state. News feature profiling William Garland, 86, of Cumberland RI who received MICRA – leadless pacemaker by Dr. Chu. September 7, 2017 <https://turnto10.com/features/health-landing-page/worlds-tiniest-pacemaker-implanted-in-ri-man-making-him-1st-in-the-state>
4. NBC 10 News Feature – Atrial fibrillation and Chocolate. Television interview by Barbara Morse Silva, anchor woman, discussing the findings of chocolate and atrial fibrillation from a Danish registry published in the journal Heart. July 2017
5. Health Check: EX-MAZE for Atrial Fibrillation. Television interview by Barbara Morse Silva, NBC News 10 Providence Rhode Island profiling patient John Corcoran who received the endocardial-epicardial ablation approach for pulmonary vein isolation. August 2014
6. Bringing Hearts Back to Life: A New Improved Defibrillator. National U.S. television broadcast profiling cardiac arrest patient Eric Robinson and his clinical treatment. March 28, 2014.
7. American Heart Association Webinar Moderator: “Special Considerations: Management of Atrial Fibrillation in Special Populations and Comorbid Conditions Presented Through Case Studies”, AHA Webinar October 23, 2013
8. Atrial Fibrillation Ablation in Women. Television interview profiling Sherri Dauphinais and her ablation treatments. Regional and National Television Coverage. August 16, 2011.
9. Reading man first in the state to undergo EX-MAZE. This article profiles Ted Chase, the first patient in Pennsylvania to receive the EX-MAZE procedure in 2009. *Reading Eagle*. February 28, 2010.
10. Cardiac Procedure helps Cumru Man Keep Active Lifestyle. Newspaper article profiling William Norton and his fund-raising trek across a continent following successful endocardial pulmonary vein isolation. *Reading Eagle*. February 23, 2010

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INVITED PRESENTATIONS

1. Heart Rhythm Society Annual Meeting, The Moscone Center, San Francisco, CA Oral Abstract Presentation “Overexpression of HOP in mice induces atrial electrical remodeling with increased frequency and duration of atrial arrhythmias” May 19-22, 2004
2. Medicine Grand Rounds, The Hospital of the University of Pennsylvania, Philadelphia, PA. “HOP overexpression and atrial electrical remodeling” Sept 2005
3. Adult Congenital Heart Disease Conference, The Hospital of the University of Pennsylvania “Management of Complex Congenital Cardiac Anomalies” Sept 2007
4. Cardiac Electrophysiology Grand Rounds, The Hospital of the University of Pennsylvania “Atrial Arrhythmias in Patients with Arrhythmogenic Right Ventricular Cardiomyopathy/Dysplasia and Ventricular Tachycardia” Sept 2009
5. Medical Grand Rounds, The Reading Hospital and Medical Center, Pennsylvania “Device therapy and management for patients with Congestive Heart Failure” May 2011
6. Medical Grand Rounds, The Reading Hospital and Medical Center, Pennsylvania “Strategies in Complex Cardiac Ablation” June 2011
7. Anesthesia and Critical Care Grand Rounds, The Reading Hospital and Medical Center, Pennsylvania “Management of the Complex Ablation Patient” Sept 2011
8. Green Hills Inn, Reading, PA. “Anti-Arrhythmic drug treatment options for Atrial Fibrillation” Sept 2011
9. New York Regional Cardiac Electrophysiologists, Fox Hollow, Woodbury N.Y. “Intracardiac Echocardiography – diagnostics and intervention” November 2011
10. Stokesay Castle, Reading PA “Atrial fibrillation diagnostic device strategies” Sept 2011
11. 7th Cardiovascular Update, The Reading Hospital and Medical Center, Pennsylvania “Atrial fibrillation – therapies and management” March 2012
12. 11th annual ACC Rhode Island Chapter, Cardiology for the Primary Care Provider Marriott Hotel, Providence, RI “Atrial Fibrillation – Update on Ablation Therapy” September 26th, 2012
13. Internal Medicine Grand Rounds, Warren Alpert School of Medicine – Brown University, George Auditorium, Rhode Island Hospital “Atrial Fibrillation – Ablation Outcomes and Interventions” October 11, 2012

CURRICULUM VITAE
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14. Internal Medicine Grand Rounds, Pawtucket Memorial Hospital, Clinical Affiliate of Brigham and Women's Cardiovascular Associates "Hybrid Approach to Complex Ablation for Atrial Fibrillation" March 6th, 2013
15. 3rd Annual American Heart Association Rhode Island State Stroke Conference – Getting to the Heart of Stroke - Crowne Plaza Providence, RI "Atrial Fibrillation: A Burning Question" May 3rd, 2013
16. Norman M. Fain Memorial Endowed Lecture, Warren Alpert School of Medicine, Brown University, Providence R.I. "Stroke and Atrial Fibrillation – Bridging the Gaps Between Diagnosis and Treatment", October 15, 2013
17. American College of Physicians Regional Conference, Rosemont, IL "Test Your Skills in Difficult Cases: Nephrology, Hypertension, and Atrial Fibrillation" October 18, 2013
18. American Heart Association (AHA) Webinar Moderator: "Special Considerations: Management of Atrial Fibrillation in Special Populations and Comorbid Conditions Presented Through Case Studies" October 23, 2013
19. American College of Physicians Regional Conference, Raleigh, N.C. "Key Strategies to Heart Failure Patients out of the Hospital" October 26, 2013
20. Warren Alpert Medical School of Brown University Cardiac Arrhythmias Seminar "Atrial Fibrillation Endocardial-Epicardial Ablation: Options of Therapy" January 14, 2014
21. Warren Alpert Medical School Arrhythmia Symposium, Brown University "Atrial Fibrillation Ablation, Cryoballoon and EX-Maze (CONVERGENT): Options of Therapy" April 12, 2014
22. Doctors Hospital at Renaissance 7th Annual Medical Education Conference, South Padre Island, TX. "Emerging EP Technologies" September 18-20, 2015
23. American Heart Association (AHA) Webinar "Left atrial appendage Occlusion for Stroke Prevention" March 10, 2016
24. European Cardiac Arrhythmia Society Conference, Paris, France "Long-term Pacing Outcomes in TAVR" April 18, 2016
25. Warren Alpert School of Medicine Arrhythmia Symposium, Brown University, Providence RI "Post-TAVR Pacing Outcomes" April 29, 2016
26. Cardiology Grand Rounds, APC 702, Warren Alpert School of Medicine, Brown University. Providence, RI "Atrial Fibrillation Ablation: State of the Art Therapy" June 3, 2016

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27. Warren Alpert School of Medicine, Brown University Advanced Cardiovascular Therapies, Providence RI “Minimally Invasive Approach to Left Atrial Appendage Closure” October 15, 2016
28. Cardiology Grand Rounds, APC 702, Warren Alpert School of Medicine, Brown University. Providence, RI “Minimally Invasive Closure of the Left Atrial Appendage: Non-pharmacologic Approach to prevention of Stroke in patients with Atrial Fibrillation” November 18, 2016
29. Warren Alpert School of Medicine Arrhythmia Symposium, Brown University, Providence RI “Cardiac Arrhythmias in Pregnancy and Menopause” April 7, 2017
30. Emergency Medicine Grand Rounds. Warren Alpert School of Medicine, Brown University, Providence RI. “Interventional Cardiac Electrophysiology – 21st Century Therapies” November 8, 2017.
31. Marseille Symposium and Round Table Discussion, Marseilles France “Post-dispersion ablation of atrial tachycardias, mechanisms, mapping and ablation.” November 29, 2017
32. Bumrungrad International Hospital, Bangkok Thailand “Beyond Fire and Ice: CRYO versus RF – Clinical Approaches and Outcomes” Novel Perspectives in Genetics, Mapping and Ablation of Human VF and AF. February 25-27th, 2018.
33. Cardiology Grand Rounds, APC 702, Warren Alpert School of Medicine, Brown University. Providence, RI “CASTLE-HF: House of Sand or Stone? Ablation and Device Therapy for patients with AF and Cardiomyopathy” October 5, 2018
34. XVIII International Symposium on Progress in Clinical Pacing, Rome, Italy “Not So Fast: Ischemic Stroke Risk in Atrial Fibrillation in the Era of New Hypertension Guidelines” December 4, 2018
35. XVIII International Symposium on Progress in Clinical Pacing, Rome, Italy “Aortic Valve Calcification as a Predictor of Post-Tavr Pacemaker Dependence” December 4-6th, 2018

GRANTS

2014	Clinical Predictors for Post-Operative Permanent Pacemaker in Patient with Severe Aortic Stenosis receiving Aortic Valve Replacement (TAVR)
2013	Incidence and Predictors of Sinus Arrest Post Electrical Cardioversion
2015	WRAP-IT Clinical Site Principal Investigator
2015	MILESTONE Clinical Site Principal Investigator
2014	VEST-PREDICTS Clinical Site Principal Investigator

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2014	TEMPO Trial – Clinical Site Principal Investigator
2014	Clinical Predictors for Post-operative TAVR/permanent pacing, Principal Investigator
2014	SOCS-HeFT – Sodium Channel Splicing in CHF, Principal Investigator
2014	AMSD Clinical Site Principal Investigator
2013	ORBIT-AF II Clinical Site Principal Investigator
2013	ProMRI Clinical Site Principal Investigator
2012	STOP-AF Clinical Site Principal Investigator
2011	ICY-AVNRT Clinical Site Principal Investigator
2010	ORBIT-AF Clinical Site Principal Investigator

UNIVERSITY TEACHING ROLES

2016-present	Small Group Leader, BIOL 3662 IM III: Cardiovascular Section
2015-present	Community Based Teaching Program, Preceptor Internal Medicine Residency Program, Brown University Jeffrey Cumplido, Brian McCauley, Malik Ahmed
2016- present	Cardiology Fellowship Clinical Elective, Preceptor Electrophysiology Program, Brown University Estelle Torbey, Jerome Kalifa

HOSPITAL TEACHING ROLES

2017-present	Internal Medicine Resident in Continuity Clinic
2016-present	Electrophysiology Fellows Clinic
2012-present	Attending Physician, Division of Cardiology, Rhode Island & Miriam Hospitals