CURRICULUM VITAE

Vipul Chitalia, M.B., B.S., Ph.D.

Department of Medicine, Renal Section

650 Albany Street, X-540

Boston, MA 02118

617-638-7330

Email: [vichital@bu.edu](mailto:vichital@bu.edu)

Chitalia Lab: <http://sites.bu.edu/chitalialab/>

June 23, 2017

##### Academic Training

2003-2008 **Doctor of Philosophy (Ph.D.)**

Graduate Program in Molecular Medicine, Department of Medicine, Boston University School of Medicine, Boston, MA

1984-1990 **Bachelor of Medicine and Surgery (MBBS)**

Graduated first in class

## Lokmanya Tilak Medical College, University of Bombay, Bombay, India

## Post-doctoral training

2009-2013 **Post-doctoral research fellowship**

Department of Biomedical Engineering, Harvard-MIT Division of Science and Technology, MIT, Cambridge, MA

2001-2004 **Fellowship in Nephrology**

Boston Medical Center, Boston, MA

1999-2001 **Residency in Internal Medicine**

St. Vincent’s Medical Center, College of Physician and Surgeon, Columbia University, New York, NY

1998-1999 **International Society of Nephrology fellowship**

Christchurch Hospital, University of Otago, Christchurch, New Zealand

### 1993-1995 **Fellowship in Nephrology**

### Seth Gordhandas Sunderdas Medical College, University of Bombay, Bombay, India

### 1990-1993 **Residency in Internal Medicine**

### Seth Gordhandas Sunderdas Medical College, University of Bombay, Bombay, India

## Academic appointments

2017-present Associate Professor of Medicine, Boston University School of Medicine

2009- 2017 Assistant Professor of Medicine,Boston University School of Medicine

2003- 2009 Instructor of Medicine, Boston University School of Medicine

**Hospital Appointments**

2009-present Attending Physician, Department of Medicine, Renal Section, Boston Medical Center, Boston, MA

2017-present Attending Physician, Spaulding Hospital, Cambridge

**Honors and awards**

2019 **Robert Dawson Evans** **Research Mentoring Award**, Department of Medicine, and School of Medicine, Boston University

2019 **Fellow of the Institute for Health System Innovation & Policy**, Boston University Questrom School of Management, Boston University

2016 **Outstanding Mentor award**, Undergraduate Research Opportunity Program (UROP) for mentoring Boston University students in summer of 2016

2015-2017 **Evan’s Junior Faculty Merit Award**

Recognized for notable accomplishment and promise as a junior investigator from all the junior faculties in the Department of Medicine, Boston University School of Medicine

2005 **Second prize in basic science poster presentation**

XXIst Annual Evan’s Research Day award for promising basic science research from the graduate students from Boston University Medical Campus

1998-1999 **International Society of Nephrology Fellowship Award**

Recognized as one of five most promising renal researchers from a developing country; award provided financial support for fellowship for one year in New Zeland

1995 **Gold Medal, University of Bombay**

Received highest grade of all students in post-doctoral exam in Nephrology

1993 **Gold Medals, University of Bombay**

Received for highest grades in the subjects of Anatomy, Pathology, Microbiology, Internal Medicine, Pharmacology from the class of 103 medical students

1990-1992 **Merit Scholarship**, **University of Bombay**

Awarded full medical school tuition, and stipend for residency based on the distinguished medical career

1987 **Charles Moorhead Prize, University of Bombay**

Received for obtaining the highest score on Internal Medicine Board Exam since 1950

**Licenses and Certifications**

07/2016 Drug Enforcement Administration,Controlled Substance Certificate, Number BC7638096

06/2016 Massachusetts Controlled Substances Certification,Number MC0445278A

02/2016 Commonwealth of Massachusetts Board of Registration of Medicine, Full Medical License, License number MA209600

12/2015 American Board of Internal Medicine Sub-specialty Certification in Nephrology

(Certificate valid through December 31, 2025), Number 215554

11/2004 American Board of Internal Medicine Certification, (Certificate valid through December 31, 2014), Number 215554

03/1998 Educational Commission for Foreign Medical Graduates (ECFMG) certificate

**Professional Development**

11/2007 American Society of Nephrology Renal module: Role of a mentor in research

A five-day training course organized by the American Society of Nephrology for training young investigators to be future mentors

**Departmental and University Committees**

**Boston University School of Medicine**

2020 Academic Writing Program (**AWP**) in DOM to guide basic scientists in manuscript writing

2020 Committee member, BMC/BU COVID-19 Biorepository Scientific Review Committee (SRC)

2016 Advisor for the committee for Master Program in Medical Sciences (MAMS) for students from University of Damam, Saudi Arabia.

2014-2017 Co-director of Thrombosis and Hemostasis Affinity Research Collaborative (ARC), an initiative of Department of Medicine. Funded for three consecutive years by DOM and resulted in funding of one R01, two peer-reviewed papers.

2018-present MD PhD program selection committee. Boston University School of Medicine

2018-2021 Graduate Medical Sciences Faculty selection committee

**Boston Medical Center**

07/2018-07/2023 Member of Board of Directors, Evans Medical Foundation

07/2013-present Renal fellowship selection committee. This includes interviewing the prospective candidate and compiling a priority list of candidates

**Teaching Experience and Responsibilities**

**Major Mentoring Activities**

2013-2016 Moshe Shashar, Renal fellow supported by American Society of Nephrology fellowship award, now Assistant Professor of Medicine, Tel Aviv Sourasky Medical Center, Tel-Aviv University, Jerusalem, Israel

2014-2015 Lawrence Prince-Wright, Master students in MAMS program, Mentor, Boston University

2012-2016 Shenia Patterson-Singleton, Graduate student in M.D., Ph.D. program, Boston University, thesis committee member

2013-2016 Fernando Garcia Polite, Graduate student in Ph.D, Combined program of MIT and University Ramon Lull, Barcelona, Spain, Ph.D. thesis committee member, currently working as a Junior Scientist at CBSet, Inc, for FDA approval for cardiac devices

2010-2014 Jordi Martorell, Graduate student in Ph.D, Combined program of MIT and University Ramon Lull, Barcelona, Spain, Ph.D. thesis committee member. Currently an Associate Professor in Biomedical Engineering, University Ramon Lull, Barcelona, Spain

2011-2013 Michael Park, Master student in MAMS program, Boston University, thesis committee member

2009-2010 Emad Arafa, Master student in MAMS program, Boston University, thesis committee member

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| --- | --- | --- | --- | --- |
| **Mentee, degree** | **Dates** | **Mentee role at the time of mentoring** | **Current position** | **Outcome of mentoring)** |
| **Junior faculties** | | | | |
| Daniel Cifuentes, Ph.D | 2017-present | Faculty recruit in 2017 and Assistant Prof of Biochemistry, Boston University School of Medicine | Assistant Prof of Biochemistry, Boston University School of Medicine | Career guidance  One R01 grant application and one cao-authored publication |
| Vijaya Kolachalama, Ph.D | 2017-present | Instructor in Medicine, Boston University School of Medicine | Assistant Prof of Medicine, Section of Computational Medicine, Boston University School of Medicine | Career guidance  One R01 and two R21 applications and four co-autored publications |
| Mostafa Belghasem, M.D., Ph.D | 2016-present | M.D. Ph.D student 2013-2017 and Instructor, Department of Patholgy and Laboratory Medicine, Boston University 2017-2018 | Assistant Prof of Pathology and Labortory Medicine, Boston University, 2018-present | Career guidance and six co-authored publications (one of which is Science Translational Medicine) and one oral presentation at the American Society of Hemaology meeting 2018 |
| Nana Addo-Tabiri, M.D. | 2017-2019 | Chief Fellow, Section of Heamology-Oncology, Boston University Medical Center 2015-2018 | Instrutor in Medicine and now Assistant Prof of Medicine, Boston University School of Medicine 2019-present | One publication and an oral presentation at the American Sociey of Hematology, 2018 |
| **Post Doctoral fellows** | | | | |
| Wening Yin, M.D., Ph.D, | 2019-present | Post doctoral fellow | Post doctoral fellow | Co-authored four manuscript |
| Joshua Walker, Ph.D. | 2017-2019 | Post doctoral fellow | Post doctoral fellow | Co-authored two publications and two posters at the international meetings |
| Chimera Lyle  Ph.D. | 2017-2019 | Post doctoral fellow and T32 grant recipeint | Post doctoral fellow | Three co-authored publications |
| Nikura Arinze, M.D. | 2017-present | Post doctoral fellow and General Surgery Resident and and T32 grant recipeint | Post doctoral fellow | Three co-authored publications |
| Laith Al-Rabadi, MD | 2013-2015 | Post doctoral fellow and Renal fellow | Assistant Professor of Medicine, University of Utah Medical Center, Utah | Co-authored two publications |
| Moshe Shashar, M.D. | 2013-2016 | Post Doctoral fellow and Renal fellow | Chief of Renal Section, Sanz Medical Center Laniado Hospital  Faculty of Medicine, Technion, Haifa, Israel | Co-authored two publications and three posters and an invitied oral presentation at the American Society of Nephrology, New Orleans 2017 |
| Priya Singh M.D. | 2016-present | Post Doctoral fellow and a renal fellow | Assistant Professor of Medicine, and Transplantation, Ohio State University | Co-authored one publication and one case report |
| Umit Tapan, M.D. | 2013-present | Post Doctoral fellow and Hematology-Oncology fellow | Clinical oncologist, St Joseph Hospital Cancer Center, New Hampshire | One co-authored two publications and two manuscripts in preparation |
| Shin Yin Lee, M.D. | 2014-present | Post Doctoral fellow and Hematology-Oncology fellow | Post doctoral fellow | Co-authored two publications |
| Keshab Raji, Ph.D. | 2016-2017 | Post doctoral fellow and and T32 grant recipeint | Senior Scientist, Milipore Coroporation examining DNA damage pathways in different human disease models | Co-authored two publications |
| **Residents and Fellows, Department of Medicine** | | | | |
| Rani Chudasama, MD.D. | 2017-present | Resident, Internal Medicine program, Boston University Medical Center | Fellow, Hematology Oncology section, Brown University | Co-authored a American Sociey of Hematology abstract (oral presentation) and a manuscript |
| Roelof H. Bekendam, M.D., Ph.D. | 2019 | Resident, Internal Medicine program, Boston University Medical Center | Resident, Boston Univesity Medical Center, | Co-authored one manuscript |
| Paul Long, M.D. | 2016-2018 | Resident, Internal Medicine program, Boston University Medical Center | Assistant Prof of Medicine |  |
| Camille Edwards,  M.D. | 2019 | Chief Fellow, Section of Hematology-Oncology, Boston Universtiy Medical Center | Chief Fellow, Section of Hematology-Oncology, Boston Universtiy Medical Center |  |
| **Medical School Student** | | | | |
| Orly Leiva, M.D. | 2016-present | Student, School of Medicine, BU | Resident, Brigham and Womens Hosptial, Harvard Medical School, Boston | Co-authored three publications and 2 oral presentation at AHA and American Society of Nephrology |
| Brenda Garcia, M.D. | 2018-present | Student, School of Medicine, BU | Resident, Mount Auburn Hospital, Harvard Medical School, Boston | Co-authored one publication |
| Jonathan Ravid, M.D. | 2016-present | Student, School of Medicine, BU | Student, School of Medicine, BU | Co-authored three publicaitons |
| **PhD Students** | | | | |
| Jordi Mortell, Ph.D. | 2010-2014 | Graduate student in PhD.  Combined program of MIT and Spain | Assistant Professor in Biomedical Engineering, Biological Engineering Department, Institut Químic de Sarrià, Ramon Llull Univ, Barcelona, Spain | Co-authored two publications |
| Shenia Patterson-Singleton | 2014-2018 | Graduate student in M.D. Ph.D. program, Boston Universtiy School of Medicine | Medical Student, School of Medicine, Boston University |  |
| Fernanado Garcia Pollite, Ph.D. | 2013-2017 | Graduate student in PhD.  Combined program of MIT and Spain | Assistant Professor in Biomedical Engineering, Biological Engineering Department, Institut Químic de Sarrià, Ramon Llull Univ, Barcelona, Spain |  |
| **Master Students** | | | | |
| Domonic Lo | 2020-2021 | Master student of PiBSprogram |  |  |
| John Le | 2020-2021 | Master student of PiBSprogram |  |  |
| Elysia Heijing | 2018-2020 | Master student of PiBSprogram | Accepted in Med school | One publication in preparation |
| Teresa Russell | 2019-2020 | Master student of PiBSprogram | Applying for Med School | One publication in revision |
| Joseph Tashjian | 2018-present | Master student of MAMS program | Applying for PhD in 2019 | One publication accepted and other one in preparation |
| Rhythm Vasudeva, M.D. | 2018-present | Master student ant the Department of public Health and Statistics, Boston University School of Publica health | Resident, Univesity of Kentcuky | One oral presentation at the American Society of Hematology, 2018 and one co-authored publication |
| Marc Napolene | 2018-present | Master student of MAMS program | Applying for Masters in 2020 |  |
| Daniel Roth | 2017-present | Master student of MAMS program | Medical Student, Duke University School of Medicine | One accepted publication and and other one under review |
| Faisal Alousi, M.D. | 2015-2017 | Master student of MAMS program, an MD from University of Damam, Saudi Arabia | Associate Prof of Medicine, King Faisal Univeristy, Saudi Arabia | Co-authored two publications and a poster for American Society of Nephrology meeting in Chicago, 2016 and two posters for Evan’s day October, 2016, and is a co-author on two papers submitted |
| Lawrence Prince-Wright | 2014-2015 | Master student in MAMS program | Medical Students in Purdue |  |
| Emad Arafa | 2014-2015 | Master student in MAMS program | Graduate student in PhD in BU | Co-authored one publication |
| Michael Park | 2013-2014 | Master student in MAMS program |  |  |
| Marwa Ali | 2013-2014 | Master student in MAMS program |  |  |
| **Research Associate** | | | | |
| Sean Richards | 2016-present | Research Associate | Research Associate | Co-authored two publications |
| Sowmiya Kumaradevan, M.Sc. | 2016-2017 | Research Associate | Research Associate | Co-authored two posters for Evan’s day October, 2016, and is a co-author on two papers submitted |
| Jamaica Siwak, B.Sc. | 2014-2016 | Research Associate | Reseach Associate at Harvad Medical School | Co-authored one publication  Two posters to American Society of Nephrology in 2015 and American Society of Clinical Oncology, 2016 |
| Sowmya Shivanna, M.Sc. | 2010-2013 | Research Associate | Graduate student in Ph.D. at University of Tornto | Three co-authored publications and three posters |
| IRva Vellard | 2018-onwards | Research Associate | Bachelors student | One poster and one publication |
| **Undergraduate Students** | | | | |
| Arie Chinappan |  |  |  |  |
|  |  |  |  |  |
| Rachel Valdez, B.Sc. | 2009-2011 | Undergraduate student at MIT | Medical student at Emory University | Co-authored one publication |
| Chris Lin | 2016-present | Undergraduate student at BU | Undergraduate student at BU | Co-authored one publication |
| Bilal Ahmed | 2017-2018 | Undergraduate student at BU | Undergraduate student at BU | Acknoweldged in a publication |
| Sung Bok | 2018-onwards | Undergraduate student at BU | Undergraduate student at BU | Co-authored one publication |
| Dan Mun | 2016-present | Undergraduate student at BU | Undergraduate student at BU | Co-authored one publication |
| Lyn Ling, B.A. | 2015-present | Undergraduate student at BU | Undergraduate student at BU | Co-authored one publication, Awarded UROP summer internship grant award |
| Shmyle Ghuman, B.A. | 2015-prsent | Undergraduate student at BU | Undergraduate student at BU | Co-authored one publication, Awarded UROP summer internship grant award |
| Mathew Caputo | 2015-2016 | Undergraduate student at BU | Medical Student in UCSD |  |
| Paige Parrak | 2014-2016 | Undergraduate student at BU | Medical Student, Okohoma State University School of Medicine | Co-authored one publication |
| Chrystelle Kiang, B.Sc. | 2010-2011 | Undergraduate student at MIT | Graduate student in PhD at Harvad Medical School | Co-authored one publication |
| Carine Mozenine, B.Sc. | 2008-2010 | Undergraduate student at MIT | Medical student at Oxford University |  |
| **High School Students, STEM program** | | | | |
| Elias Zavarro | 2019 | STEM program, State of Massachussetts, Wellsely High School, MA | STEM program, State of Massachussetts, Wellsely High School, MA | One co-authored publication |

**Formal Teaching of Residents, Clinical Fellows and Research Fellows**

10/2014 Renal Module- 4th year medical student

Na/H2O module

10/2014 Renal Module- 4th year medical student

Acid-base module

10/2014 Renal Module- 4th year medical student

Acute Kidney Injury

05/2014 Vascular access, Renal fellow

01/2015 Thrombotic microangiopathy diagnosis and therapy

Morning report: Internal Medicine interns and residents

01/2015 Complications of Vascular access, Renal fellow

08/2015 Renal Module- 4th year medical student

Chronic Kidney Injury

08/2015 Renal Module- 4th year medical student

Na/H2O module

08/2015 Renal Module- 4th year medical student

Acid-base module

08/2015 Renal Module- 4th year medical student

Acute Kidney Injury

09/2015 Thrombotic microangiopathy Task Force

Morning report: Internal Medicine interns and residents

01/2016 Hemodialysis adequacy, Renal fellow

07/2016 Thrombotic microangiopathy diagnosis and therapy

Morning report: Internal Medicine interns and residents

10/2016 Renal Module- 4th year medical student

Chronic Kidney Injury

10/2016 Renal Module- 4th year medical student

Glomerular Inury

10/2016 Renal Module- 4th year medical student

Acid-base module

10/2016 Renal Module- 4th year medical student

Acute Kidney Injury

02/2017 Initiation of hemodialysis, Renal fellow

03/2017 TMA: Focus of early diagnosis and treatment

Morning report: Internal Medicine interns and residents

05/2016 Thrombosis in CKD patients

Hematology and Oncology section, Boston Medical Center

09/2017 Renal Module- 4th year medical student

Chronic Kidney Injury

08/2017 Renal Module- 4th year medical student

Na/H2O module

08/2017 Renal Module- 4th year medical student

Acid-base module

08/2017 Renal Module- 4th year medical student

Acute Kidney Injury

08/2018 Renal Module- 4th year medical student

Chronic Kidney Injury

08/2018 Renal Module- 4th year medical student

Na/H2O module

08/2018 Renal Module- 4th year medical student

Acid-base module

08/2018 Renal Module- 4th year medical student

Glomerular injury module

**Clinical Activities**

2009-present Renal attending on consult service 10 weeks per year

2009-presentRenal attending on dialysis and transplant service for 4 weeks per year

**Other professional activities**

**Membership Professional Societies**

2009-present American Society of Nephrology

2006-present International Society of Nephrology

2012-present Renal Physician Association 2014-2015

**Editorial Board**

2014-2015 Associate Scientific Advisor, Science Translational Medicine Journal (impact factor 14). Selected from a pool of 90 young scientists nationwide and internationally based on scientific merits, the responsibility is to review the literature for potentially interesting research in any field and report as editorial comment.

**Reviewer of Peer-reviewed Journals:**

Nature Cell Biology

Nature Medicine

Nature Communications

Nature Cell Biology

Science Translation Medicine

Nephrology Dialysis Transplantation

Toxins

American Journal of Kidney Disease

Circulation and Circulation Research

Kidney International

Cell Death & Disease

Dove Medical Press

Purinergic Signaling

Circulation

Research  Critical Care

Critical Care Medicine e

Biomedicine e Life

Experimental Cell Research

Intensive Care Medicine

Journal of the American Society of Nephrology

Journal of Cellular and Molecular Medicine

Journal of Clinical Investigation

Journal of Infectious Diseases

Journal of Thrombosis and Hemostasis

Journal of Investigative Dermatology

Kidney International

Microvascular Research

Nephron

Pediatric Nephrology

  Proceedings of the National Academy of Sciences, USA

Science Signaling

**Major Committee assignment**

**Welcome Trust UK-Government of India Alliance**

2018-present Grant reviewer, Biomedical Research Fellowship Program for India

**Federal government study**

2014-present Grant reviewer, National Institute of Health, Early Career Reviewer (ECR) Program

**Foundation study sections**

2014-2015 Grant reviewer**,** American Heart Association

2017-present Welcome Trust-DBT alliance

**Institutional Committee**

**Boston University School of Medicine**

2014-present DOM Core Oversight Committee

Review the progress and budget of all the DOM cores and provides recommendations and help the cores with their future projections

**Other Support**

**Current support**

NCI- R01 CA175382 Chitalia (PI) 07/01/2014-6/30/2020 (NCE)

Role of c-Cbl in colorectal cancer

This grant examines the role ubiquitination of tumorigenic beta catenin by an E3 ligase c-Cbl in colorectal cancer turmorigenesis. Direct cost: $207,500/year, total funding: $ 1,037,500

NHLBI- R01 HL132325 Chitalia (PI) 01/01/2016-12/30/2021

Thrombotic complication of uremia: role of prothrombotic uremic solutes

This grant examines the indolic uremic solutes in thrombosis and its mechanism of action in post interventional vascular bed. Direct cost: $250,000/year, total funding: $ 1,000,000

NHLBI R01HL HL136363-02 Katya Ravid (PI, Chitalia, Co-investigator) 01/01/2018-12/30/2022

This grant examines different mechanisms of thrombosis in patients with myelodysplastic syndrome.

Department of Medicine ARC Program. V. Chitalia (co-PI) 1/1/2015-6/30/2018

The Affinity Research Collaborative at Boston University School of Medicine uses interdisciplinary approaches and experts to study the role of uremic solutes in evoking thrombosis

NIDDKR21 DK119740-01A1Chitalia (PI)7/1/2020-6/31/2022

Role of central venous stenosis in intravascular ultrasound

This study examine the role of intravenous ultrasound in dialysis malfunctions, in particular, the central venous stenosis lesions.

Philips (Investigator Initiated Study) Chitalia (PI) 6/1/2019-5/30/2021

This study examines the accuracy of intravenous ultrasound in determining the lesions within the dialysis accesses.

American Society of Nephrology Career Development award (Nigwekar, mentee and Chitalia co-PI) 7/1/2019-6/30/2022

This propsoal examines the role of thrombosis in calciphylaxis.

**Pending grant review**

NIBIB R01 PD/PI Irving Bigio and m-PI: Chitalia 01/0/2020-12/30-2025

This grant examines the role of non-invasive methods to investigate renal fibrosis in ex vivo and in vivo tissue.

Score – 16th percentile, resubmitted

NHLBI UO1 PD/PI Katya Ravid m-PI Chitalia, Fiore and Brophy 01/06/2020-06/01/2024

This grant examines the role of novel mediators of cancer-related thrombosis

NIDDK R01 PI: Daniel Cifunetes, Chitalia (Co-investigator) 07/01/2020-06/30/2024

This grant examines the role of uremic solutes in Erythropoietin induced anemia and Erythropoietin responsiveness. Score – 23rd percentile, resubmitted

NIDDK R01 PI: Kolachalama, Chitalia (Co-investigator) 07/01/2020-06/31/2024

This grant examines the mechanism of adhesion in drug eluting balloon on vascular health and uremic toxicity.

Score – 30th percentile, resubmitted

NCI R01 PI: Schaus, m-PI: Chitalia and Hensen 0/6/01/2020-05/30/2025

This grant examines the HIT generated from the Center of Molecular Discovery that suppresses Wnt signaling in colon cancer.

AHA Artificial Intelligence and Machine Learning PI: Chitalia, Kolachalama (co-inv) 1/1/2020-12/31/2022

This proposal refines the machine learning algorithms to investigate the vascular access studies.

NIDDK R25 Waikar (PD/PI), Chitalia (m-PI) 07/01/2020-06/30/2025

Kidney Technology Development Research Education Program

**Past support**

Alexion Pharma: (ALXN1210-aHUS-311) PI: Vipul Chitalia 1/1/2017-2/20/2019

This is a single arm, multi-center clinical trial, which examines the efficacy of the long acting recombinant anti-C5 humanized monoclonal antibody for atypical HUS.

NCI-R21 CA191970 Rahimi Nader (PI), Chitalia (co-investigator) 01/01/2015-6/30/2017

This grant examines the role of IGPR1 in regulating chemo sensitivity of the colorectal cells to newer chemotherapeutic agents. Direct cost: $200,000/year, total funding: $ 400,000

DOM Outstanding Evans Junior Faculty award Chitalia (PI) 01/01/2015-12/30/2017

Direct cost: $75,000/year, total funding: $ 150,000

NIDDK-K08DK080946 - 01A Chitalia (PI) 07/01/2009-06/30/2014

Role of Wnt signaling in uremia-induced vascular dysfunction

The role of this grant is to evaluate pathogenesis of vascular dysfunction in the patients of chronic kidney and end stage renal disease (uremia). Direct cost: $121,420/year, total funding: $ 607,100

Young Investigator award Chitalia (PI) 07/01/2009-6/30/2011

(National Kidney Foundation)

Vascular biology in uremic *milieu*

The goal of this study is to examine the fundamental endothelial and vascular smooth muscle cell biology and pattern the molecular changes and functional consequences in kidney failure.

Direct cost: $75,000/year, total funding: $ 150,000

Polycystic Kidney Disease Award Chitalia (PI), Cohen (Sponsor) 7/1/2006-6/30/2008

Role of Jade-1 in polycystic kidney disease

The objective of this project was to examine how Jade-1 is regulated by polycystin-1 and its role in polycystic kidney disease. Direct cost: $50,000/year, total funding: $ 100,000

National Kidney Foundation Award Chitalia (PI), Cohen(Sponsor) 7/1/2003-6/30/2005

Role of Jade-1 in Wnt signaling

The goal of this project was to examine how Jade-1 destabilizes beta catenin and serves as a crucial mediator between Wnt and pVHL pathways. Direct cost: $50,000/year, total funding: $ 100,000

International Society of Nephrology grant Chitalia (PI) Robson (Sponsor) 7/1/1998-6/30/1999

Predict the renal survival in patients with idiopathic membranous nephropathy

The main objective of this study was to develop mathematical model to predict the renal survival of the patients idiopathic membranous glomerulonephritis. Direct cost: $35,000/year, total funding: $ 35,000

**Invited Lectures and Conference Presentations**

**International**

08/2005 ‘*Emerging role of tidal peritoneal dialysis in acute renal failure in developing countries’*, International Society of Nephrology Meeting, Singapore

05/2019 Gut dysbiosis- role of thrombolome. European Renal Association – European Dialysis and Transplant Association. Hungry, Budapest, May 2019

11/2019 Uremic solutes and thrombosis. American Society of Nephrology, Washington DC, 2019

**National**

11/2007 ‘*pVHL Inhibits Canonical Wnt Signaling through Tumor Suppressor Jade-1’*, American Society of Nephrology meeting, San Diego

**Regional**

12/2019 Advances the biology uremic toxicity and its therapeutic implications. Renal grand rounds, New York University (NYU) and Langone School of Medicine, NY

01/2019 Uremic toxicity: Emerging role of thrombolome. Renal grand rounds, Massachusetts General Hospital and Brigham and Women’s Hospital, Harvard Medical School, Boston

03/2018 Post interventional thrombosis and its mediators. Division of Cardiovascular Medicine, University of Connecticut, Connecticut

05/2017 Why do patients of CKD show increased risk of thrombosis? Renal Section, Massachusetts Medical Center, Worcester

07/2016 ‘*Role of uremic solutes in thrombosis’* Division of Cardiology, University of Massachusetts Medical Center, Worcester

05/2016 ‘*Role of c-Cbl in physiology and pathology’*. Hematology Oncology Division, Department of Medicine, Tufts Medical Center, Boston

05/2016 ‘*Role of c-Cbl in physiology and pathology colorectal cancer’,* Center of Molecular Medicine, University of Connecticut, Connecticut

03/2016 ‘*Uremic thrombosis, a theranostic approach’*, Renal Section, Brigham and Women’s Hospital, Harvard Medical School, Boston

04/2013 ‘*Why do more stent clots in CKD patients*?’ Cardiology Division, Brigham and Women’s Hospital, Harvard Medical School

07/2012 ‘*c-Cbl regulates angiogenesis through Wnt signaling’*, Boston Angiogenesis meeting, Boston

**Institutional**

06/2013 ‘*c-Cbl: a oncogene or a tumor suppressor’*, Hematology and Oncology Section, Department of Medicine, Boston University School of Medicine

**Committee**

02/2018 Selection committee for the Director of WCVI

**Bibliography**

**Orcid:** orcid.org/0000-0002-6663-6058

**My NCBI link:** <https://www.ncbi.nlm.nih.gov/myncbi/collections/bibliography/43893237/?groupby=citation%5Ftype&reload=addfrompubmed&sortby=date>

**2020**

1. Nana Oduraa Addo-Tabiri\*, Rani Chudasama\*,Rhythm Vasudeva, Orly Leiva, Brenda Garcia, Jonathan Ravid, Tamala Bunze,Linda Rosen, Mostafa Belghasem, Jean Francis, Mary Brophy, Ryan Ferguson, Janice Weinberg, and **Vipul Chitalia**. Black Patients Experience Highest Rates of Cancer-Associated Venous Thromboembolism. **American Journal of Clinical Oncology**

2020 Feb;43(2):94-100. PMID:31809329

1. Rachel Xi-Yeen Ho, Razie Amraei, Kyle Oliver, Corcino, De La Cena, Evan G. Sutherland, Farzad Mortazavi, Thor Stein **Vipul Chitalia**, Nader Rahimi. Loss of MINAR2 impairs motor function and causes Parkinson's disease-like symptoms in mice. **Brain Communication** (epub) 2020.
2. MatsuuraS\*, Thompson C.R.\*, Belghasem M.E., Bekendam R.H., PiaseckiA, Ray A, Italiano J, Yang M, Merill-Skoloff G, Chitalia V.C., Flaumenhaft R. and Ravid K. Platelet Dysfunction in JAK2V617F-Mutated Primary Myelofibrotic Mice. **ATVB**, 2020 (accepted)
3. Ravid, J., Kamal M.H, Chitalia V.C.. Uremic Solutes as Therapeutic Targets in CKD Associated Cardiovascular Disease. Nature Review in Nephrology
4. Ravid J, Chitalia V.C. Molecular Mechanisms of Uremic Solutes causing Cardiovascular Disease in CKD. Cells \*Review)

**2019**

1. Gary H. Chang, Dara A. Azar, Chimera Lyle, **Vipul C. Chitalia**, Tarek Shazly, Vijaya B. Kolachalama. Intrinsic coating morphology modulates acute drug transfer in drug-coated balloon therapy. **Scientific Reports**, 2019 May 2;9(1):6839 PMCID: [PMC6497887](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6497887/)
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