

## JEFFREY J. SONG, B.A., M.M.

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### EDUCATION

M.M., New England Conservatory of Music (Boston, MA) 1992

B.A., Boston University (Boston, MA), Anthropology, cum laude 1987

### TEACHING EXPERIENCE

New England Conservatory of Music (Boston, MA)

Substitute Teacher, Contemporary Improvisation (Third Stream Studies) 1991 – 1994

Teaching Assistant, Contemporary Improvisation (Third Stream Studies) September 1990 – May 1991

Boston University (Boston, MA)

Teaching Assistant, Anthropology Department September 1986 – January 1987

### COMPOSING & MUSIC DIRECTING EXPERIENCE

The Ballad of Mulan (Imagination Stage, Bethesda, MD) 8/6/18 – 2/26/19

Songwriting and music consultant; Janet Stanford (Artistic Director)

Vietgone (Studio Theatre, Washington, DC) 3/24/18 – 5/20/18

Composer (original music)/Music Director/Actor/Musician; Natsu Onoda Power (Director)

The White Snake (Baltimore Center Stage, Baltimore, MD) 1/24/17 - 3/26/17

Composer (original music)/ Music Director/Actor/Musician; Natsu Onoda Power (Director)

### PROFESSIONAL ACTING EXPERIENCE (SELECTED)

Assassins (Lyric Stage Boston, Boston, MA) 9/15/23 – 10/15/23

Actor/Singer (roles of Ensemble, Garfield, Ford); Courtney O'Connor (Director); Dan Rodriguez (MD)

Wild Goose Dreams (SpeakEasy, Boston, MA) 3/17/23 – 4/8/23

Actor/Singer/Musician/composer (role of Guk Minsung); Seonjae Kim (Director)

Henry VI, Part 3 (Actors' Shakespeare Project, Boston, MA) Online Production 6/11/2020

Actor (role of Edward/King Edward); Steven Barkhimer (Director);

The 49<sup>th</sup> Christmas Revels (Revels Boston, Sanders Theater, Cambridge, MA) 12/2019

Actor/Singer (role of Johnny Johnson); Patrick Swanson (Director); Megan Henderson (Music Director)

Pacific Overtures (Lyric Stage Boston, Boston, MA) 4/16/19 – 6/16/19

Actor/Singer (roles of Lord Abe, Thief, Physician, First Officer); Spiro Veloudos (Director); Jonathan Goldberg (MD)

Once (Speakeasy Stage, Boston, MA) 2/5/19 – 4/7/19

Actor/Singer/Musician (role of Bank Manager; cello, guitar, piano); Paul Melone (Director);

Steven Ladd Jones (MD)

Nomad Americana (Fresh Ink Theatre @ BPT, Boston, MA) 2/2/18 – 2/17/18

Actor (role of Toby Echo); Damon Krometis (Director)

Memorial (Boston Playwrights' Theatre, Boston, MA) 10/13/16 – 10/23/16

Actor (role of Hideo Sasaki); Kelly Galvin (Director)

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Pinocchio (Wheelock Family Theater, Boston, MA) 1/30/15 – 2/22/15  
Ensemble, multiple roles (actor, musician); Steven Bogart (Director)

Astro Boy & the God of Comics (Company One, Boston, MA) 7/18/14 – 8/16/14  
Ensemble, multiple roles (actor, artist, musician); Natsu Onoda Power (Director)

Wild Swans (American Repertory Theater, Cambridge, MA) 2/11/12 – 3/11/12  
Ensemble, chorus, multiple roles (actor, singer, dancer); Sacha Wares (Director)

### RADIO, PODCAST, VIDEO EXPERIENCE

Global Atlantic Financial Services (Animus Studios, RI) 8/5/19  
Actor for industrial B2B video; Justin Andrews (Director)

Circle Round, Voice Actor for NPR Storytelling Podcast (Rebecca Sheir, Director)

The Three-Legged Pot Air Date 4/30/19

Three Clever Brothers Air Date 2/26/19

The Emperor's Challenge Air Date 1/29/19

The Unjust Justice Air Date 11/13/18

The Princess and the Egg Air Date 10/23/18

Plumb Landing (PBS Kids; television pilot) Taped 2/13/13 – 2/16/13  
Actor/Co-Host; Geoff Adams (Director)

### SELECTED CONCERT PERFORMANCES

Montreux Jazz Festival, Switzerland 2000

San Francisco Asian American Jazz Festival 1995

Knitting Factory's What is Jazz? Festival, NY 1996

New York Jazz Festival 1997

Boston Autumn Uprising Festival 1998, 2002

CSPS New Music Festival 1999

Chicago Asian American Jazz Festival 1996, 1999, 2001

Istanbul Jazz Festival, Turkey 2000

L'Opéra de Vichy, France 2000

Palermo Festival Di Verdura, Italy 2000

Boston Asian American Jazz Festival 1997, 1998, 2000

CreAsian Festival of the Arts, Boston, MA 2001

### SELECTED DISCOGRAPHY

Jeff Song/Matt Turner, Love & Fear (O.O. Discs, O.O.#10) 1992

Jeff Song & Matt Turner, In Vivo (Asian Improv Records, AIR 0016) 1994

Dean Laabs & Jeff Song, Invisible Maniac (Asian Improv Records, AIR 0018) 1994

Jeff Song & Lowbrow, Rules of Engagement (Asian Improv Records, AIR 0026) 1996

Jeff Song & Lowbrow, The Other Pocket (Music & Arts, CD-975) 1997

Kevin So, Individual (WingBone Music, KS-6977) 1997

Miya Masaoka, What is the Difference Between Stripping and Playing the Violin? (Victo, CD058) 1998

Matt Turner & Chum, Never, Never Now (Stellar Records, STEL1005) 1998

Kitty Brazelton's Dadadah, Love Not Love Lust Not Lust (BUZZ-Records) 1999

Song, Newton & Bynum, Trio Ex Nihilo (BUZZ Records, ZZ 76014) 2001

Jeff Song & Lowbrow, Diasporama (Stellar Records, STL 1012) 2001

Two Tru, Shadow Language (Feather Records, 0401-2) 2004

Soo-Jung Kae: Soo's collage, different doors (Creative Nation Music Productions) 2005

Andy Santospago, Little Problems 2007

Dave Bryant, The Garden of Equilibria (SE Records 002) 2015

Miriam, Scenic Two-Lane 2016

## JEFFREY J. SONG

### GLOBAL HEALTH & VOLUNTEER EXPERIENCE

#### Food Link (Arlington, MA)

- Food Distribution (volunteer) November 2016 – February 2017  
Serves Arlington, MA and surrounding communities. Partners with grocery and prepared food stores to bring fresh fruit, vegetables, meat, dairy, bread and prepared foods to 30 social service agencies serving people in need.

#### Partners in Health (Boston, MA)

- Laboratory Consultant (volunteer) March 2015 – May 2015  
Advisor on reference laboratory project in Mirebalais, Haiti: laboratory setup and equipment identification. Worked with Melissa Gallo (Project Manager) and Amber Gaumnitz (Senior Manager of International Operations).

#### Massachusetts Institute of Technology, Community Innovators Lab (Cambridge, MA; Panama)

- Biosafety Consultant, Kuna Yala Waste and Recycling Program April 2013 – August 2013  
Collaboration between MIT, ANCON, and the congressional body of the Comarca de Kuna Yala worked to solve a regional waste crisis, including management of medical waste. Work on five islands in the Gulf of San Blas; partnered with island residents and organizations on program design, planning strategies, supply chain, small-business development, and training of medical clinic staff on strategies for handling medical waste and effective use of PPE. Libby McDonald, Program Director, Global Sustainability Partnerships, MIT.

### AWARDS, HONORS, PROFESSIONAL AFFILIATIONS & APPOINTMENTS

Edwin S. and Ruth M. White Humanities Scholar, Boston University	1986
Artists' Projects: New Forms Initiative Grant, New England Foundation for the Arts	1993
Syntonix STAR Award	2001, 2002, 2004
Sirtris Pharmaceuticals Values Award (Respect)	2008
Epizyme "Hero" - Outstanding Contributor Award	2010
Actors' Equity Association (NY, NY), Member	2/23/18 – Present
Central Square Theater (Cambridge, MA), Board Member	9/2019 – 9/2023
Tremont Music Series (Tremont Theater, Boston, MA), Founder/Curator; experimental music series	2001-2003
Asian American Resource Workshop (Boston, MA), Board Member, Arts Programming advisor	2000 – 2002
CreAsian Festival (Boston Center for the Arts, Boston, MA), Advisory Board Member/Curator	2000
Boston Asian American Jazz Festival (Boston, MA), Founder and Artistic Director	1997 – 2000
American Association for Cancer Research (AACR), Member	2022 - Present

### SCIENTIFIC RESEARCH EXPERIENCE

#### Photys Therapeutics (Waltham, MA)

- Consultant, Principal Scientist, Biology Sept 2023 – Present  
Biochemical and cell based assay development and optimization.

#### Ribon Therapeutics, Inc. (Cambridge, MA)

- Principal Scientist, Discovery Biology August 2020 – August 2023  
- Consultant, Discovery Biology March 2020 – August 2020  
- Consultant, Discovery Biology May 2019 – November 2019  
- Consultant, Lead Discovery August 2018 – December 2018  
- Consultant, Discovery Biology December 2016 – February 2017  
Focus on the discovery of small molecule drugs targeting monoPARPs in cancer, inflammatory and neurodegenerative diseases. Cell based and biochemical assay development, and assay miniaturization for HTS.

#### Admirx Therapeutics [now Q32 Bio] (Cambridge, MA)

- Consultant, Biology and Biochemistry January 2019 – March 2019  
- Consultant, Biology and Biochemistry November 2017 – March 2018  
Biochemical and Cell based assay development; inhibition of complement activation.

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### Kymera Therapeutics (Cambridge, MA)

- Consultant, Biology

June 2018 – August 2018

Cell Biology; biochemical and cell based assay support.

### Amathus Therapeutics (Cambridge, MA)

- Consultant, Principal Scientist, In Vitro Pharmacology

April 2017 – October 2017

Focus on the discovery of small molecule drugs for targets in liposomal storage disorders. Biochemical and Cell based assay development, as well as laboratory management, reagent and equipment procurement, and consultation on assay development, optimization and assay transfer with CRO.

### Mitobridge, Inc. (Cambridge, MA)

- Consultant

September 2015 – June 2016

- Principal Scientist, In Vitro Pharmacology

January 2015 – August 2015

- Principal Scientist (In Vitro Pharmacology) & Laboratory Manager

February 2014 – January 2015

Discovery research in mitochondria-related disease areas; cell-based and biochemical assay development, gene expression studies, fluorescent microscopy, analysis of PD markers, etc. Additional responsibilities included ground-up laboratory and cell culture facility design, laboratory management/operations/facilities, equipment procurement, and supervision and mentorship of junior colleagues.

### BIND Therapeutics, Inc. (Cambridge, MA) purchased by Pfizer in 2016

- Principal Scientist, Biology

April 2011 – February 2014

Focus on the biology of therapeutic targeted nanoparticles; biological mechanism, cell-based and biochemical assay development; histology, immunohistochemistry, fluorescent microscopy.

### Epizyme, Inc. (Cambridge, MA)

- Senior Scientist, Biochemistry & Molecular Pharmacology

November 2008 – April 2011

Focus on epigenetic targets in cancer; nuclear substrate generation, cell-based and biochemical assay development and screening. Additional responsibilities included laboratory and cell culture facility design, laboratory management/operations/facilities, equipment procurement, and supervision and mentorship of junior colleagues. Entered into Strategic Partnerships with GlaxoSmithKline (1/11) and Eisai (3/11). Tazverik (EZH2 inhibitor tazemetostat) was approved by the FDA in January, 2020.

### Sirtris Pharmaceuticals (Cambridge, MA), acquired by GlaxoSmithKline in 2008

- Senior Scientist, Lead Discovery

October 2008 – November 2008

- Scientist, Lead Discovery

September 2006 – October 2008

Focus on Sirtuins and metabolic disease; cell-based and biochemical assay development and screening.

### Syntonix Pharmaceuticals (Waltham, MA), acquired by Biogen Idec in 2007

- Scientist, Cell Biology & In Vivo Pharmacology

July 2002 – September 2006

- Senior Associate Scientist, Cell Biology & In Vivo Pharmacology

March 2001 – July 2002

Focus on FcRn-mediated transcytosis as a pathway for drug delivery; protein expression and characterization, molecular biology, cell-based and biochemical assay development.

### Genetics Institute, Inc. (Cambridge, MA), acquired by American Home Products (Wyeth) in 1996

- Senior Associate Scientist, Tissue Growth and Repair

January 1998 – March 2001

- Associate Scientist, Tissue Growth and Repair

June 1994 – January 1998

- Research Associate II, Tissue Growth and Repair

June 1992 – June 1994

- Research Associate I, Tissue Growth and Repair

July 1991 – June 1992

Discovery Research focusing on the BMPs; cell and molecular biology, cell and biochemical assay development.

### Boston University School of Medicine (Boston, MA)

- Research Assistant, Department of Pathology

February 1987 – May 1990

Academic research focusing on the role of Cathepsins in cancer.

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### PUBLICATIONS

#### Abstracts

Thies RS, **Song JJ**, Wozney JM and Rosen V (1992) Vitamin D inhibits bone morphogenetic protein-2 induction of osteocalcin in W-20-17 bone marrow stromal cells. 74th Annual Endocrine Society Meeting, Program and Abstracts: 443.

Thies RS, **Song JJ**, Yamaji N, Celeste AJ, Wozney JM and Rosen V (1993) Regulation of BMP receptor affinity by phosphorylating agents. *Mol. Biol. Cell* 4 (Suppl.): 295a.

Celeste AJ, **Song JJ**, Cox K, Wozney JM and Rosen V (1994) Bone Morphogenetic Protein-9, a new member of the TGF- $\beta$  superfamily. *J. Bone Miner. Res.* 9 (Suppl. 1): 64.

**Song JJ**, Celeste AJ, Rosen V and Thies RS (1994) Bone morphogenetic protein-9 (BMP-9) binds to HepG2 cells and stimulates proliferation. *Mol. Biol. Cell* 5 (Suppl.): 384a.

#### Papers

Rosen V, Capparella J, McQuaid D, Cox K, Thies RS, **Song JJ** and Wozney J (1993) In *Limb Development and Regeneration*; Fallon JF, Goetinick PF, Kelley RO and Stocum DL, Ed.; Wiley-Liss: New York, 305-315.

Graff J, Thies RS, **Song JJ**, Celeste AJ and Melton DA (1994) Studies with a Xenopus BMP receptor suggest that ventral mesoderm-inducing signals override dorsal signals in vivo. *Cell* 79: 169-179.

Suzuki A, Thies RS, Yamaji N, **Song JJ**, Wozney JM, Murakami K and Ueno N (1994) A truncated BMP receptor affects dorsal-ventral patterning in the early Xenopus embryo. *Proc. Natl. Acad. Sci.* 91: 10255-10259.

Rosen V, Nove J, **Song JJ**, Thies RS, Cox K and Wozney JM (1994) Responsiveness of clonal limb bud cell lines to BMP-2 reveals a sequential relationship between cartilage and bone phenotypes. *J. Bone Miner. Res.* 9(11): 1759-1768.

Yamaji N, Celeste AJ, Thies RS, **Song JJ**, Bernier SM, Goltzman D, Lyons KM, Nove JN, Rosen V and Wozney JM (1994) A mammalian serine/threonine kinase receptor specifically binds BMP-2 and BMP-4. *Biochem. Biophys. Res. Comm.* 205(3): 1944-1951.

**Song JJ**, Celeste AJ, Kong F-M, Jirtle RL, Rosen V and Thies RS (1995) Bone Morphogenetic Protein-9 binds to liver cells and stimulates proliferation. *Endocrinology* 136(10): 4293-4297.

Wolfman NM, Hattersley G, Cox K, Celeste AJ, Nelson R, Yamaji N, Dube JL, DiBlazio-Smith E, Nove J, **Song JJ**, Wozney JM and Rosen V (1997) Ectopic induction of tendon and ligament in rats by Growth and Differentiation Factors 5, 6, and 7, members of the TGF- $\beta$  gene family. *J. Clin. Invest.* 100(2): 321-330.

Bitonti AJ, Dumont JA, Low SC, Peters RT, Kropp KE, Palombella VJ, Stattel JM, Lu Y, Tan CA, **Song JJ**, Garcia AM, Simister NE, Spiekermann GM, Lencer WI, and Blumberg RS (2004) Pulmonary delivery of an erythropoietin Fc fusion protein in non-human primates through an immunoglobulin transport pathway. *Proc. Natl. Acad. Sci.* 101(26): 9763-9768.

Vu CB, Milne JC, Carney DP, **Song J**, Choy W, Lambert PD, Gagne DJ, Hirsch M, Cote A, Davis M, Lainez E, Meade N, Normington K, Jirousek MR, and Perni RB (2009) Discovery of benzothiazole derivatives as efficacious and enterocyte-specific MTP inhibitors. *Bioorg & Med Chem Letters* 19 (2009) 1416-1420.

Smith JJ, Kenney RD, Gagne DJ, Frushour BP, Ladd W, Galonek HL, Israelian K, **Song J**, Razvadauskaite G, Lynch AV, Carney DP, Johnson RJ, Lavu S, Iffland A, Elliott PJ, Lambert PD, Elliston KO, Jirousek MR, Milne JC, Boss O. Small molecule activators of SIRT1 replicate signaling pathways triggered by calorie restriction in vivo. *BMC Syst Biol.* 2009 Mar 10;3:31.

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Daigle SR, Olhava EJ, Therkelsen CA, Majer CR, Sneeringer CJ, **Song JJ**, Johnston LD, Porter Scott M, Smith JJ, Xiao Y, Jin L, Kuntz KW, Chesworth R, Moyer MP, Bernt KM, Tseng J-C, Kung AL, Armstrong SA, Copeland RA, Richon VM, Pollock RM (2011) Selective killing of mixed lineage leukemia cells by a potent small-molecule DOT1L inhibitor. *Cancer Cell* 20, 53-65, July 12, 2011.

Mezo AR, McDonnell KA, Low SC, **Song JJ**, Reidy T, Lu Q, Amari JV, Hoehn T, Peters RT, Dumont JA, Bitonti AJ (2012) Atrial natriuretic peptid-Fc, ANP-Fc, fusion proteins: semi-synthesis, in vitro activity and pharmacokinetics in rats. *Bioconjugate Chem.*, 22 Jan 2012.

Hrkach J, Von Hoff D, Ali MM, Andrianova E, Auer J, Campbell T, De Witt D, Figa M, Figueiredo M, Horhota A, Low S, McDonnell K, Peeke E, Retnarajan B, Sabnis A, Schnipper E, **Song JJ**, Song YH, Summa J, Tompsett D, Troiano G, Van Green Hoven T, Wright J, LoRusso P, Kantoff PW, Bander NH, Sweeney C, Farokhzad OC, Langer R, Zale S (2012) Preclinical Development and Clinical Translation of a PSMA-Targeted Docetaxel Nanoparticle with a Differentiated Pharmacological Profile. *Science Translational Medicine* 4 April 2012: Vol. 4, Issue 128, p. 128ra39.

Knutson SK, Wigle TJ, Warholc NM, Sneeringer CJ, Allain CJ, Klaus CR, Sacks JD, Raimondi A, Majer CR, **Song JJ**, Porter Scott M, Jin L, Smith JJ, Olhava EJ, Chesworth R, Moyer MP, Richon VM, Copeland RA, Keilhack H, Pollock RM, Kuntz KW (2012) A selective inhibitor of EZH2 blocks H3K27 methylation and kills mutant lymphoma cells. *Nature Chemical Biology* Vol.8, 890-896, November 2012.

Ng PY, Bemis JE, Disch JS, Vu CB, Oalman CJ, Lynch AV, Carney DP, Riera TV, **Song J**, Smith JJ, Lavu S, Tornblom A, Duncan M, Yeager M, Kriksciukaite K, Gupta A, Suri V, Elliot PJ, Milne JC, Nunes JJ, Jirousek MR, Vlasuk GP, Ellis JL, Perni RB (2013) The identification of the SIRT1 activator SRT2014 as a clinical candidate. *Letters in Drug Design & Discovery* 10, 793-797, 2013.

Joseph M. Gozgit, Melissa M. Vasbinder, Ryan P. Abo, Kaiko Kunii, Kristy G. Kuplast-Barr, Bin Gui, Alvin Z. Lu, Jennifer R. Molina, Elena Minissale, Kerren K. Swinger, Tim J. Wigle, Danielle J. Blackwell, Christina R. Majer, Yue Ren, Mario Niepel, Zacharenia A. Varsamis, Sunaina P. Nayak, Ellen Bamberg, Jan-Rung Mo, W. David Church, Ahmed S.A. Mady, **Jeff Song**, Luke Utley, Patricia E. Rao, Timothy J. Mitchison, Kevin W. Kuntz, Victoria M. Richon, Heike Keilhack (2021) PARP7 negatively regulates the type I interferon response in cancer cells and its inhibition triggers antitumor immunity. *Cancer Cell* Vol 39, Issue 9, 1214-1226, September 13, 2021.

### SCIENTIFIC PATENTS

BMP-9 Compositions, United States Patent (number 6287816), Inventors: Vicki A. Rosen, John M. Wozney, Anthony J. Celeste, R. Scott Thies, **Jeffrey J. Song**. September 11, 2001

Bone Morphogenetic Protein (BMP)-9 Compositions and their Uses, United States Patent (number 6034062), Inventors: R. Scott Thies, **Jeffrey J. Song**. March 7, 2000

BMP-9 Compositions, United States Patent (number 6034061), Inventors: Vicki A. Rosen, John M. Wozney, Anthony J. Celeste, R. Scott Thies, **Jeffrey J. Song**. March 7, 2000

BMP-9 Compositions, United States Patent (number WO9533830), Inventors: Anthony J. Celeste, Vicki A. Rosen, R. Scott Thies, John M. Wozney, **Jeffrey J. Song**. December 14, 1995

### FUN FACTS & SPECIAL SKILLS

- Basic French language skills
- Visual artist working in several media including works on paper and canvas, sculpture, and photography.
- International work and travel to the following countries: Panama, Morocco, Turkey, South Korea, France, Italy, Switzerland, United Kingdom, Japan, Malawi, Tanzania, and Portugal

## **JEFFREY J. SONG**

- Experienced and licensed motorcycle operator, NAUI certification in SCUBA, half-marathon runner, yoga & martial arts (Tae Kwon Do)
- Professional Musician: 4-, 5- and 6-string fretted and fretless bass guitar, piano, cello, other stringed instruments, voice

### **REFERENCES**

Available upon request