Curriculum Vitae

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CURRENT POSITION

7/'16 to present — Tenured Associated Professor, Director of Online Graduate Program in Gerontology, Co-Director of Physiology Concentration, Graduate Program in Biomedical Sciences, Departments of Physiology and Aging, College of Medicine, University of Florida, Gainesville, FL

EDUCATION

12/'91	B.A. Molecular and Cell Biology	University of California, Berkeley, Berkeley, California, U.S.A.
3/'05	Ph.D. Applied Biological Chemistry (Advisor: Dr. Masaru Tanokura)	University of Tokyo Yayoi, Tokyo, Japan

POSTDOCTORAL TRAINING

5/'05 to 5/'10 — Research Associate, Departments of Genetics & Medical Genetics, University of Wisconsin-Madison, Madison, WI, USA. (Advisor: Dr. Tomas Prolla)

6/'10 to 5/'11 — Assistant Scientist, Departments of Genetics & Medical Genetics, University of Wisconsin-Madison, Madison, WI, USA. (Advisor: Dr. Tomas Prolla)

FACULTY ACADEMIC APPOINTMENTS

4/'05 to 3/'10 — Visiting Research Assistant Professor, Department of Applied Biological Chemistry, University of Tokyo, Tokyo, Japan

6/'11 to 6/'16 — Tenure-track Assistant Professor, Departments of Aging and Geriatric Research, University of Florida, Gainesville, FL, USA.

7/'16 to present — Tenured Associate Professor, Departments of Aging and Geriatric Research, University of Florida, Gainesville, FL, USA.

3/'20 to present — Director of Online Graduate Program in Gerontology, Departments of Aging and Geriatric Research, University of Florida, Gainesville, FL, USA.

9/'22 to present — Tenured Associate Professor, Director of Online Graduate Program in Gerontology, Co-Director of Physiology Concentration, Graduate Program in Biomedical Sciences, Departments of Physiology and Aging, College of Medicine, University of Florida, Gainesville, FL, USA.

APPOINTMENTS AT AFFILIATED DEPARTMENTS

7/'16 to present — Joint Faculty, Department of Speech, Language and Hearing Sciences, University of Florida, Gainesville, FL.

7/'12 to present — Joint Faculty, Department of Anatomy and Cell Biology, University of Florida, Gainesville, FL.

7/'12 to present — Joint Faculty, Department of Otolaryngology, University of Florida, Gainesville, FL.

ACADEMIC GOVERNANCE AND SERVICE

2013 University of Florida College of Medicine, Interdisciplinary Program (IDP) Graduate Student Interview
2014 Invited judge to represent the Molecular Cell Biology (MCB) concentration for the Medical Guild competition for the Advancement to Candidacy Award
2014 University of Florida College of Medicine, Interdisciplinary Program (IDP) Graduate Student Interview
2014~ Member of Search Committee for Assistant/Associate Professor, Department of Aging and Geriatric Research
2015~ Interim Executive Board member of the UF Asian Faculty and Staff Association
2015 UF Doctoral Degree Commencement Marshal
2015 Working group member for the new faculty resource website within the COM Faculty Council
2016~ External Relations Committee, Association for Research in Otolaryngology
2016~ Member of Graduate Education Committee, Department of Aging and Geriatric Research
2018~ Member of Search Committee for Assistant/Associate/Full Professor, Department of Speech, Languages and Hearing Sciences
2019~ Program Committee, Association for Research in Otolaryngology
2020~ Director, Graduate Program, Department of Aging and Geriatric Research
2020~ Chair of Education Committee, Department of Aging and Geriatric Research
2020~ Department Representative, College of Medicine Faculty Council, University of Florida
2020~ Research Task Fource, College of Medicine Faculty Council, University of Florida
2020~ AuD Admission Committee, Department of Speech, Language, and Hearing Science, University of Florida

PROFESSIONAL SOCIETIES

2003~ Association for Research in Otolaryngology
2005~ American Association for the Advancement of Science
2015~ Society for Neuroscience

GRANT REVIEW ACTIVITIES

Reviewer for the following grants:

2012~ Action on Hearing Loss/Translational Research Initiative for Hearing Grant
2013~ The Netherlands Organization for Scientific Research
2013~ San Antonio Nathan Shock Biology of Aging Center/Pilot Project Grant
2013~ Welcome Trust Research Training Fellowship
2013~ Canada Foundation for Innovation
2014 NIH: Auditory System (AUD) Study Section
2015~ University of Florida Health Cancer Center Cancer-Aging Collaborative Team Grant Program
2016~ University of Florida Claude D. Pepper Older American's Independence Center (OAIC) Interdisciplinary Pilot and Exploratory Study (PES) Program
2016~ Student Research Award, 7th Annual Spotlight on Aging Research
2017 NIH Study Section/special emphasis panel, ZRG1 BDCN-W (05)
2020 NIH: Auditory System (AUD) Study Section
2021~ American Federation for Aging Research's National Scientific Advisory Council
2021 NIH: Auditory System (AUD) Study Section
2022 NIH: Auditory System (AUD) Study Section

HONORS AND AWARDS

2007 New Investigator Award in Biomedical Aging Research, 19th Annual Colloquium on Aging, UW Institute on Aging

2008 Paul Glenn Runner Up Award, The American Aging Association
2010 The 39th Annual Meeting of the American Aging Association Travel Award
2010 The 18th Annual NIA Summer Training Course in Experimental Aging Research Award
2011 The 2011 MidWinter Meeting Postdoctoral Fellow Travel Award
2014 Certificate of Appreciation, UF University Minority Mentorship Program
2014 University of Florida College of Medicine 2014 Exemplary Teacher
2015 2015 William R. Jones Outstanding Mentor Awards, Florida Education Fund
2017 University of Florida College of Medicine 2017-2018 University Term Professor
2017 University of Florida College of Medicine 2017 Exemplary Teacher
2019 University of Florida College of Medicine 2019 Exemplary Teacher
2022 University of Florida College of Medicine 2022 Exemplary Teacher

OTHER PROFESSIONAL ACTIVITIES

Editorial Boards:

2020-present	Member, Editorial Board	Hearing Research
2022-present	Academic Editor	Frontiers in Neuroscience (Auditory Cognitive Neuroscience)
2017-2022	Academic Editor	PLOS ONE
2019-2022	Section Editor	Experimental Biology and Medicine)Mechanisms of Aging)

Ad hoc reviewer for the following academic journals:
• Journal of Neuroscience
• Aging Cell
• Neurobiology of Aging
• Experimental Gerontology
• Free Radical Biology and Medicine
• Neuroscience Letters
• American Academy of Audiology
• Audiology and Neurotology

RESEARCH SUPPORT

Ongoing/Active

University of Florida Commercialization Fund
Period: 5/16/2019-10/30/2022
Title: AAV-mediated Gene Therapy for Age-related Hearing Loss
Role: Co-PI (PI: Someya, S and Hauswirth, W)

NIH/NIDCD 2R01AG037984-16A1
Period: 07/01/2020- 06/30/2025
Title: Molecular Mechanisms of Hair Bundle Development and Maintenance
Goal: The goal of this proposal is to explore the role of MYO15A in the development and function of hair cell stereocilia, and examine how defects in these mechanisms leads to DFNB3 human deafness
Role: Co-I (PI: Bird, J)

NIH/NINDS R01NS102624
Period: 08/01/2017 – 07/31/2022
Title: Optimizing AAV Vectors for Central Nervous System Transduction
Goal: The major goal of this research is to improve upon current CNS-directed gene therapy approaches for Sanfilippo Syndrome and neurodegenerative disease.
Role: Co-I (PI: Heldermon)

NIH/NIA P30 AG028740

Period: 07/01/18-06/31/27
Title: Claude D. Pepper Older Americans Independence Center (OAIC)
Role: Co-I (PI: Pahor, M)

NIH/NIA T32 AG062728
Period: 05/01/20-04/30/25
Title: Translational research on aging and mobility (TRAM) program
Goal: The overall goal is to develop outstanding independent investigators capable of sustaining productive clinical and translational research careers that help build a translational understanding and interventions that impact mobility in older adults.
Role: T32 Program Faculty (PI: Manini, T)

Completed
NIH/NIDCD R01 R01DC014437
Period: 04/01/15-03/31/22
Total direct cost: $1,626,090
Title: Cochlear Detoxification System
Role: PI (Someya, S)

NIH/NIA R01AG037984
Period: 04/01/18 - 03/30/2021
Title: Estrogen and Cognition Over the Lifespan
Role: Co-I (PI: Foster, T)

NIH/NIDCD R01 R01DC012552
Period: 07/01/13-06/31/19
Title: Mitochondrial Thioredoxin, Caloric restriction, and Age-related Hearing Loss
Role: PI (Someya, S)

Grant: NIH/NIDCD R03 R03DC011840
Period: 07/01/11-06/31/15
Title: The Role of Glutathione Reductase in Age-Related Hearing Loss
Role: PI (Someya, S)

NIH/NIA 5 P30 AG028740
Period: 07/01/11-06/31/13
Title: Career Development Core Junior Scholar Award, Claude D. Pepper Older Americans Independence Center
Role: Early Stage Investigator (PI: Pahor, M)

Claude D. Pepper OAIC Pilot Grant 1 P30 AG028740-01
Period: 04/01/19-03/31/21
Title: Estrogen and Prevention of Hearing Loss
Role: PI (Someya, S)

Age Related Memory Loss Program at the Evelyn F. & William L. McKnight Brain Institute, University of Florida (MBI-UF)
Period: 04/01/19-03/31/22
Title: Estrogen and Prevention of Hearing Loss
Role: PI (Someya, S)

American Cancer Society 131062-RSG-17-171-01-DMC

Period: 01/01/18-12/31/2020
Title: K-1, a novel, conserved nuclear activator of DAF-16/FOXO tumor suppressor
Role: Co-I (PI: Xiao, R)

American Federation for Aging Research Grant (12388)
Period: 07/01/12-06/31/15
Title: Mitochondrial Isocitrate Dehydrogenase and Age-related Hearing Loss
Role: PI (Someya, S)

TEACHING RESPONSIBILITIES:

Course Director
• GMS 6486 Biology of Aging
• SPA6581 Auditory Pharmacology
• SPA5102 Auditory Anatomy and Physiology
• SPA6581 Anatomy and Physiology of Balance
• SPA6564 Communication and Aging

Lecturer:
• GMS 6893 Clinical and Translational Science Institute Student Seminar
• GMS 6622 Mitochondrial Biology in Aging and Disease
• GMS 6070 Sensory Biology
• BMS 6020 Clinical Neuroscience
• GMS 6063 Cell Biology of Aging

Doctoral Committee:

Spring 2020~	College of Medicine, IDP Graduate student: Ghazaleh Behnammanesh, *Expected Graduation date*: June 2023 Role: Committee member
Fall 2019	College of Medicine, IDP Graduate student: Kaitlyn Calabro, *Graduation date*: December 2019 Role: Committee member
Fall 2019	College of Medicine, IDP Graduate student: Casey J Keuthan, *Graduation date*: December 2019 Role: Committee member
Spring 2018	College of Medicine, IDP Graduate student: Mi-Jung Kim, *Graduation date*: August 2018 Role: Primary Advisor
Fall 2018	College of Medicine, IDP Graduate student: Abbi Hernandez, *Graduation date*: May 2018 Role: Committee member
Fall 2017	College of Public Health and Health Professions, PhD in Audiology *Graduation date:* Karessa White, *Graduation date*: August 2017 Role: Primary Advisor
Spring 2016	College of Medicine, IDP Graduate student: Joonseok Cho, *Graduation date: June 2016* Role: Committee member
Spring 2016	College of Public Health and Health Professions, PhD in Audiology *Graduation date:* Angela Fulbright, *Graduation date: June 2016* Role: Co-Primary Advisor
Fall 2011~2015	University of Tokyo (Japan), PhD student: Dalian Ding, *Graduation date: February 2015* Role: Co-Primary Advisor

Supervised Trainees

8/02 ~ present	Postdoctoral fellow: Mi-Jung Kim
10/11 ~ 10/16	Postdoctoral fellow: Chul Han
7/15~2/18	Assistant Scientist: Hyo-Jin Park
5/17~6/18	Research Assistant: Kevin Boyd
Spring 2019~	AuD graduate student: Hannah Eckdahl, graduation: June 2022
Spring 2019~	AuD graduate student: Claire Dorey, graduation: June 2022
Fall 2018~	Undergraduate student: Kishan Avaiya, graduation: June 2022
Summer 2018~	Undergraduate student: Emma Viola, graduation: June 2022
Summer 2018~	Undergraduate student: Peter Wahba, graduation: June 2022
Summer 2018~	Undergraduate student: Peter Carmichael, graduation: June 2021
Summer 2017~	Undergraduate student: Upal Bose, graduation: June 2020
Spring 2016~	Undergraduate student: Maria Tiscsa, graduation: June 2018
Spring 2016~	Undergraduate student: Isabela Caicedo, graduation: June 2019
Spring 2016~	Undergraduate student: Aaron Gomez, graduation: June 2019
Spring 2016~	Undergraduate student: Sana Khalid, graduation: June 2019
Fall 2015~	Undergraduate student: Zaimary Meneses, graduation: May 2017 (Graduate School, Florida Atlantic University, FL)
Summer 2015~	Undergraduate student: Jiyeon Koo, graduation: June 2018
Summer 2015~	Undergraduate student: Cole Slade, graduation: June 2018
Fall 2013~	Undergraduate student: Logan Walker, graduation: June 2016 (Medical School, University of Central Florida, FL)
Summer 2014~	Undergraduate student: Kap Owen, graduation: June 2016 (Medical School, University of South Florida, FL)
Summer 2014~	Undergraduate student: Austin Showers, graduation: June 2016 (Medical School, University of Central Florida, FL)
Summer 2014~	Undergraduate student: Anamaria Parus, graduation: May 2015 (Medical School, University of Central Florida, FL)
Fall 2013~	Undergraduate student: Diego Rielo. graduation: May 2014

PUBLICATIONS

Research Articles

1. Rouse CJ, Hawkins K, Kabbej N, Dalugdug J, Kunta A, Kim MJ, **Someya S**, Herbst Z, Gelb M, Dinelli I, Butterworth E, Falk DJ, Rosenkrantz E, Elmohd H, Khaledi H, Mowafy S, Ashby F, Heldermon CD. Disease correction in Mucopolysaccharidosis type IIIB mice by intraparenchymal or cisternal delivery of a capsid modified AAV8 codon-optimized NAGLU vector. Hum Mol Genet. 2022 Aug 23:ddac209. doi: 10.1093/hmg/ddac209. PMID: 35997776
2. Ding D, Prolla T, **Someya S**, Manohar S, Salvi R. Roles of Bak and Sirt3 in Paraquat-Induced Cochlear Hair Cell Damage. Neurotox Res. 2021 Apr 26. doi: 10.1007/s12640-021-00366-6. PMID: 33900547.
3. Anton SD, Cruz-Almeida Y, Singh A, Alpert J, Bensadon B, Cabrera M, Clark DJ, Ebner NC, Esser KA, Fillingim RB, Goicolea SM, Han SM, Kallas H, Johnson A, Leeuwenburgh C, Liu AC, Manini TM, Marsiske M, Moore F, Qiu P, Mankowski RT, Mardini M, McLaren C, Ranka S, Rashidi P, Saini S, Sibille KT, **Someya S**, Wohlgemuth S, Tucker C, Xiao R, Pahor M. Innovations in Geroscience to enhance mobility in older adults. Exp Gerontol. 2020 Dec;142:111123. doi: 10.1016/j.exger.2020.111123. Epub 2020 Oct 22. PMID: 33191210
4. Kim MJ, Han C, White K, Park HJ, Ding D, Boyd K, Rothenberger C, Bose U, Carmichael P, Linser PJ, Tanokura M, Salvi R, **Someya S**. Txn2 haplodeficiency does not affect cochlear antioxidant defenses or accelerate the progression of cochlear cell loss or hearing loss across the lifespan. Exp Gerontol. 2020 Nov;141:111078. doi: 10.1016/j.exger.2020.111078. Epub 2020 Aug 28. PMID: 32866605.
5. **Someya S**, Kim M. Cochlear Detoxification: Role of Alpha Class Glutathione Transferases in Protection Against Oxidative Lipid Damage, Ototoxicity, and Cochlear Aging. Hear Res. 2020 May 28;108002. doi: 10.1016/j.heares.2020.108002.

6. Park HJ, Kim MJ, Han C, White K, Ding D, Boyd K, Salvi R, **Someya S**. Effects of Gsta4 deficiency on age-related cochlear pathology and hearing loss in mice. Exp Gerontol. 2020:110872.
7. Kaitlyn R. Calabro KR, Boye SL, Choudhury S, Fajardo D, Peterson JJ, Wei Li W, Crosson SM, Kim MJ, Ding D, Salvi R, **Someya S**, Boye SE. A Novel Mouse Model of MYO7A USH1B Reveals Auditory and Visual System Haploinsufficiencies. Front Neurosci. 2019; 13: 1255.
8. Suzuki J, Inada H, Han C, Kim MJ, Kimura R, Takata Y, Honkura Y, Owada Y, Kawase T, Katori Y, **Someya S**, Osumi N. "Passenger gene" problem in transgenic C57BL/6 mice used in hearing research. Neurosci Res. 2019: S0168-0102(19)30469-9.
9. Park HJ, Kim MJ, Rothenberger C, Kumar A, Sampson EM, Ding D, Han C, White K, Boyd K, Manohar S, Kim YH, Ticsa MS, Gomez AS, Caicedo I, Bose U, Linser PJ, Miyakawa T, Tanokura M, Foster TC, Salvi R, **Someya S**. GSTA4 Mediates Reduction of Cisplatin Ototoxicity in Female Mice. Nat Commun. 2019: 10(1):4150.
10. Kim MJ, Haroon S, Chen GD, Ding D, Wanagat J, Liu L, Zhang Y, White K, Park HJ, Han C, Boyd K, Caicedo I, Evans K, Linser PJ, Tanokura M, Prolla T, Salvi R, Vermulst M, **Someya S**. Increased burden of mitochondrial DNA deletions and point mutations in early-onset age-related hearing loss in mitochondrial mutator mice. Exp Gerontol. 2019: 125:110675.
11. White K, Kim MJ, Han C, Park HJ, Ding D, Boyd K, Walker L, Linser P, Meneses Z, Slade C, Hirst J, Santostefano K, Terada N, Miyakawa T, Tanokura M, Salvi R, **Someya S**. Loss of IDH2 Accelerates Age-related Hearing Loss in Male Mice. *Sci Rep.* 2018 Mar 22;8(1):5039. PMID: 29567975.
12. Xu Y, Liu L, Nakamura A, **Someya S**, Miyakawa T, Tanokura. Studies on the regulatory mechanism of isocitrate dehydrogenases 2 using acetylation mimics. *Sci Rep.* 2017 Aug 29;7(1):9785. PMID: 28852116.
13. Zhang C, Sun W, Li J, Xiong B, Frye MD, Ding D, Salvi R, Kim MJ, **Someya S**, Hu BH. Loss of sestrin 2 potentiates the early onset of age-related sensory cell degeneration in the cochlea. *Neuroscience*. 2017 Oct 11;361;179-191. PMID: 28818524.
14. Han C, Kim MJ, Ding D, Park HJ, White K, Walker L, Gu T, Tanokura M, Yamasoba T, Linser P, Salvi R, **Someya S**. GSR is not essential for the maintenance of antioxidant defenses in mouse cochlea: Possible role of the thioredoxin system as a functional backup for GSR. *PLoS One*. 2017 Jul 7;12(7):e0180817. PMID: 28686716.
15. White K, Kim MJ, Ding D, Han C, Park HJ, Meneses Z, Tanokura M, Linser P, Salvi R, **Someya S**. G6pd Deficiency Does Not Affect the Cytosolic Glutathione or Thioredoxin Antioxidant Defense in Mouse Cochlea. *J Neurosci*. 2017 Jun 7;37(23):5770-5781. PMID: 28473643.
16. Cho J, Zhang Y, Park SY, Joseph AM, Han C, Park HJ, Kalavalapalli S, Chun SK, Morgan D, Kim JS, **Someya S**, Mathews CE, Lee YJ, Wohlgemuth SE, Sunny NE, Lee HY, Choi CS, Shiratsuchi T, Oh SP, Terada N. Mitochondrial ATP transporter depletion protects mice against liver steatosis and insulin resistance. *Nat Commun*. 2017 Feb 16;8:14477. PMID: 28205519.
17. **Someya S**, Kujoth GC, Kim MJ, Hacker TA, Vermulst M, Weindruch R, Prolla TA. Effects of calorie restriction on the lifespan and healthspan of POLG mitochondrial mutator mice. *PLoS One*. 2017 Feb 3;12(2):e0171159. PMID: 28158260.
18. Han C, Ding D, Lopez MC, Manohar S, Zhang Y, Kim MJ, Park HJ, White K, Kim YH, Linser P, Tanokura M, Leeuwenburgh C, Baker HV, Salvi RJ, **Someya S**. Effects of Long-Term Exercise on Age-Related Hearing Loss in Mice. *J Neurosci*. 2016 Nov 2;36(44):11308-11319. PMID: 27807171.
19. Mankowski RT, Ahmed S, Beaver T, Dirain M, Han C, Hess P, Martin T, Smith BK, **Someya S**, Leeuwenburgh C, Martin AD. Intraoperative hemidiaphragm electrical stimulation reduces oxidative stress and upregulates autophagy in surgery patients undergoing mechanical ventilation: exploratory study. *Journal of Translational Medicine.* 2016 Oct 26;14(1):305. PMID: 27784315.
20. Yu H, Vikhe Patil K, Han C, Fabella B, Canlon B, **Someya S**, Cederroth CR. GLAST Deficiency in Mice Exacerbates Gap Detection Deficits in a Model of Salicylate-Induced Tinnitus. *Front Behav Neurosci.* 2016 Aug 17;10:158. PMID: 27582696.
21. Han C, Linser P, Park HJ, Kim MJ, White K, Vann JM, Ding D, Prolla TA, **Someya S.** Sirt1 deficiency protects cochlear cells and delays the early onset of age-related hearing loss in C57BL/6 mice. *Neurobiol Aging*. 2016 July;43:58-71. PMID: 27255815.

22. Anton SD, Woods AJ, Ashizawa T, Barb D, Buford TW, Carter CS, Clark DJ, Cohen RA, Corbett DB, Cruz-Almeida Y, Dotson V, Ebner N, Efron PA, Fillingim RB, Foster TC, Gundermann DM, Joseph AM, Karabetian C, Leeuwenburgh C, Manini TM, Marsiske M, Mankowski RT, Mutchie HL, Perri MG, Ranka S, Rashidi P, Sandesara B, Scarpace PJ, Sibille KT, Solberg LM, **Someya S**, Uphold C, Wohlgemuth S, Wu SS, Pahor M. Successful aging: Advancing the science of physical independence in older adults. *Ageing Res Rev.* 2015 Nov;24(Pt B):304-27. PMID: 26462882.
23. Fischer KE, Gelfond JA, Soto VY, Han C, **Someya S**, Richardson A, Austad SN. Health Effects of Long-Term Rapamycin Treatment: The Impact on Mouse Health of Enteric Rapamycin Treatment from Four Months of Age throughout Life. *PloS One*. 2015 May 15;10(5):e0126644. PMID: 25978367.
24. Barger JL, Anderson RM, Newton MA, da Silva C, Vann JA, Pugh TD, **Someya S**, Prolla TA, Weindruch R. A conserved transcriptional signature of delayed aging and reduced disease vulnerability is partially mediated by SIRT3. *PloS One*. 2015 April 1;10(4):e0120738. PMID: 25830335.
25. Ding D, Qi W, Yu D, Jiang H, Han C, Kim MJ, Katsuno K, Hsieh YH, Miyakawa T, Salvi R, Tanokura M, **Someya S**. Addition of exogenous NAD+ prevents mefloquine-induced neuroaxonal and hair cell degeneration through reduction of caspase-3-mediated apoptosis in cochlear organotypic cultures. *PloS One*. 2013 Nov 6;8(11):e79817. PMID: 24223197.
26. Han C, **Someya S**. Maintaining good hearing: calorie restriction, Sirt3, and glutathione. *Exp Gerontol*. 2013 Otc;48(10):1091-5. PMID: 23454634.
27. Yamasoba T, Lin FR, **Someya S**, Kashio A, Sakamoto T, Kondo K. Current concepts in age-related hearing loss: epidemiology and mechanistic pathways. *Hear Res.* 2013 Sep;303:30-8. PMID: 23422312.
28. Dalian D, Haiyan J, Yong F, Yongqi L, Salvi R, **Someya S**, Tanokura M. Ototoxic model of oxaliplatin and protection from nicotinamide adenine dinucleotide. *J Otol.* 2013;8(1):63-71. PMID: 25419212.
29. Dalian D, Haiyan J, Yong F, Salvi R, **Someya S**, Tanokura M. Ototoxic effects of carboplatin in organotypic cultures in chinchillas and rats. *J Otol*. 2012 Dec;7(2):92-101. PMID: 25593588.
30. Han C, **Someya S**. Mouse models of age-related mitochondrial neurosensory hearing loss. *Mol Cell Neurosci.* 2013 Jul;55:95-100. PMID: 22820179.
31. **Someya S** and Tanokura M. Mitochondria and Aging. *Jikenigaku*. 2013;31 (20) 141-147 (*in Japanese*).
32. Lee WH, Kumar A, Rani A, Herrera J, Xu J, **Someya S**, Foster TC. Influence of viral vector-mediated delivery of superoxide dismutase and catalase to the hippocampus on spatial learning and memory during aging. *Antioxid Redox Signal.* 2012 Feb 15;16(4):339-50. PMID: 21942371.
33. Dalian Ding, **Someya S**, Jiang H, Wei–dong Qi, Yu D, Masaru T, Salvi R. Detection of apoptosis by RT–PCR array in mefloquine–induced cochlear damage. *J Otol*. 2011;June; 6(1):1-9.
34. **Someya S**. Molecular mechanism of how caloric restriction prevents age-related hearing loss *Jikenigaku*. 2011;29. 2673-2676 (*in Japanese*).
35. Hallows WC, Yu W, Smith BC, Devries MK, Ellinger JJ, **Someya S**, Shortreed MR, Prolla T, Markley JL, Smith LM, Zhao S, Guan KL, Denu JM. Sirt3 promotes the urea cycle and fatty acid oxidation during dietary restriction. *Mol Cell*. 2011 Jan 21;41(2):139-49. PMID: 21255725.
36. **Someya S**, Yu W, Hallows WC, Xu J, Vann JM, Leeuwenburgh C, Tanokura M, Denu JM, Prolla TA. Sirt3 mediates reduction of oxidative damage and prevention of age-related hearing loss under caloric restriction. *Cell*. 2010 Nov 24;143(5):802-12. PMID: 21094524.
37. Hiona A, Sanz A, Kujoth GC, Pamplona R, Seo AY, Hofer T, **Someya S**, Miyakawa T, Nakayama C, Samhan-Arias AK, Servais S, Barger JL, Portero-Otín M, Tanokura M, Prolla TA, Leeuwenburgh C. Mitochondrial DNA mutations induce mitochondrial dysfunction, apoptosis and sarcopenia in skeletal muscle of mitochondrial DNA mutator mice. *PloS One*. 2010 Jul 7;5(7):e11468. PMID: 20628647.
38. **Someya S**, Prolla TA. Mitochondrial oxidative damage and apoptosis in age-related hearing loss. *Mech Ageing Dev.* 2010 Jul-Aug;131(7-8):480-6. PMID: 20434479.
39. **Someya S**, Tanokura M, Weindruch R, Prolla TA, Yamasoba T. Effects of caloric restriction on age-related hearing loss in rodents and rhesus monkeys. *Curr Aging Sci.* 2010 Feb;3(1):20-5. PMID: 20298166.
40. **Someya S** and Tanokura M. Bak-dependent mitochondrial apoptosis in Age-related Hearing Loss. *Jikenigaku*. 2010;28, 917-920 (*In Japanese*).

41. **Someya S**, Xu J, Kondo K, Ding D, Salvi RJ, Yamasoba T, Rabinovitch PS, Weindruch R, Leeuwenburgh C, Tanokura M, Prolla TA. Age-related hearing loss in C57BL/6J mice is mediated by Bak-dependent mitochondrial apoptosis. *Proc Natl Acad Sci U S A.* 2009 Nov 17;106(46):19432-7. PMID: 19901338.
42. **Someya S**, Yamasoba T, Prolla TA, Tanokura M. Genes encoding mitochondrial respiratory chain components are profoundly down-regulated with aging in the cochlea of DBA/2J mice. *Brain Res*. 2007 Nov 28;1182:26-33. PMID: 17964557.
43. **Someya S**, Yamasoba T, Kujoth GC, Pugh TD, Weindruch R, Tanokura M, Prolla TA. The role of mtDNA mutations in the pathogenesis of age-related hearing loss in mice carrying a mutator DNA polymerase gamma. *Neurobiol Aging.* 2008 Jul;29(7):1080-92. PMID: 17363114.
44. **Someya S,** Yamasoba T, and Tanokura M. Presbycusis and Calorie Restriction. *Anti-Aging Mecicine.* 2008;4, 614-620 (*In Japanese*).
45. **Someya S**, Yamasoba T, Weindruch R, Prolla TA, Tanokura M. Caloric restriction suppresses apoptotic cell death in the mammalian cochlea and leads to prevention of presbycusis. *Neurobiol Aging.* 2007 Oct;28(10):1613-22. PMID: 16890326.
46. Yamasoba T, **Someya S**, Yamada C, Weindruch R, Prolla TA, Tanokura M. Role of mitochondrial dysfunction and mitochondrial DNA mutations in age-related hearing loss. *Hear Res.* 2007 Apr;226(1-2):185-93. PMID: 16870370.
47. Yamasoba T, **Someya S**, Tanokura M. Mechanisms of presbycusis and its prevention by caloric restriction. *Otology Japan*. 2006; 16(2):131-134.
48. **Someya S**, Tanokura M, and Yamasoba T. Mitochondrial DNA mutations and presbycusis. *JOHNS*, 2006; 22, 1711-1714 (*In Japanese*).
49. **Someya S**, and Tanokura M. Mitochondrial DNA mutations, apoptosis, and presbycusis. *Brain Techno News*, 2005; 112, 20-24 (*In Japanese*).
50. Kujoth GC, Hiona A, Pugh TD, **Someya S**, Panzer K, Wohlgemuth SE, Hofer T, Seo AY, Sullivan R, Jobling WA, Morrow JD, Van Remmen H, Sedivy JM, Yamasoba T, Tanokura M, Weindruch R, Leeuwenburgh C, Prolla TA. Mitochondrial DNA mutations, oxidative stress, and apoptosis in mammalian aging. *Science*. 2005 July 15;309(5733):481-4. PMID: 16020738.
51. Suzuki T, **Someya S**, Hu F, Tanokura M. Comparative study of catechin composition in five Japanese persimmons (Diospyros kaki). *Food Chemistry*. 2005;93(1):149-152.
52. Fujikawa T., Manabe Y, and **Someya S**. Atmosphere controlled sintering of coral sand powders by hot isostatic pressing. *Powder and Powder Metallurgy*, 2005; 52, 28-34 (*In Japanese*).
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Chapter Book

1. **Someya S**, Kim MJ. Genetic Aspects of the Aging Auditory System in The Aging Auditory System (Springer Handbook of Auditory Research (34)) 2020th Edition. Karen Helfer, Ed Bartlett, Art Popper, Dick Fay (Eds.). SpringerNature 2020; ISBN 978-3-030-49366-0.
2. **Someya S,** Ikeda A. Aging of the Sensory Systems: Hearing and Vision in Handbook of the Biology of Aging (Handbooks of Aging) 9th Edition. Nicolas Musi, Peter Hornsby (Eds.). SpringerNature 2020; ISBN-10: 0128159626 (*in press*).
3. **Someya S**, Rothenberger C, Kim MJ. Lifestyle Intervention to Prevent Age-Related Hearing Loss: Calorie Restriction in New Therapies to Prevent or Cure Auditory Disorders. Pucheu, Sylvie, Radziwon, Kelly, Salvi, Richard (Eds.). SpringerNature 2020; ISBN 978-3-030-40413-0

4. Kim MJ, White K, Walker L, Han C, **Someya S**. Age-related Hearing Loss: Biochemical Pathways and Molecular Targets in Free Radicals in ENT pathology. Miller J, LePrell CG, Rybak L, editors. USA: *Humana Press*, 2015; 13, p.273-288. 502p.
5. Han Chul, **Someya S**. Update on the Free Radical Theory of Aging: The Role of Oxidative Stress in Age-related Hearing Loss in Systems Biology of Free Radicals and Anti-oxidants. Laher Issy, editor. Berlin Heidelberg, Germany: *Springer-Verlag*. 2014; 158, p.3581-98. 4108 p.
6. **Someya S**, Prolla TA., Tanokura M. Effects of Nutraceuticals Antioxidants on Age-related Hearing Loss in Biotechnology in Functional Foods and Nutraceuticals. Bagchi D, Lau FC, Ghosh DK, editors. Boca Raton, FL, USA: *CRC Press.* 2010; 8, p.113-124. 591p.
7. Yamasoba T and **Someya S.** Hearing Loss and Anti-aging in Understanding Hearing Disorder. Ogawa, I., eds. *Nagai Press*. 2010; 356-341 (*In Japanese*).
8. **Someya S**, Yamasoba T, Tanokura M. Prevention of presbycusis by caloric restriction in New otolaryngology and head and neck surgery. Kaga K, Komune S, editors. Japan: *Sentaniryogijitsu Kennkyujo*; 2005; p.110-113 (*In Japanese*).
9. Miyagawa M, **Someya S.**, and Tanokura M. Mechanisms of Anti-aging enzymes in Structural Biology. *Kyoritsu Press*. 2005; 65-172 (*In Japanese*).

PRESENTATIONS

Invited Oral Presentations:

1. **Someya S**. Seminar. Gene Expression Profiling of Inner Ear. Department of Otolaryngology, University of Tokyo. Tokyo, Japan. Jan 1, 2005.
2. **Someya S**, Yamasoba T, Prolla T, and Tanokura M. Poster. Age-related Accumulation of Mitochondrial DNA Mutations Leads to Early Onset of Presbycusis in Mitochondrial Mutator Mice. 29th Association for Research in Otolaryngology Midwinter Meeting. Baltimore, MD, USA. Apr 5, 2006 - Apr 9, 2006.
3. **Someya S**, Yamasoba T, Prolla T, and Tanokura M. Speech. Caloric restriction and inner ear aging. 7th Scientific Meeting of Japanese Society of Anti-Aging Medicine Conference. Tokyo, Japan. Jul 21, 2007.
4. **Someya S**, Weindruch R, Tanokura M, and Prolla TA. Speech. The mitochondrial apoptosis activator Bak is required for the pathogenesis of presbycusis. American Aging Association-37th Annual Meeting. Boulder, CO. USA. Jun 1, 2008.
5. **Someya** S. Seminar. Oxidative stress and mitochondrial apoptosis in age-related hearing loss. Institute on Aging, Department of Aging and Geriatrics College of Medicine, University of Florida. Gainesville, FL, USA. Apr 20, 2009.
6. **Someya S**, Yamasoba T, Prolla T, and Tanokura M. Poster. The role of Bak in the pathogenesis of age-related hearing loss. 9th Scientific Meeting of Japanese Society of Anti-Aging Medicine Conference. Tokyo, Japan. May 29, 2009.
7. **Someya S**. Seminar. Oxidative stress and mitochondrial apoptosis in presbycusis. Center for Hearing & Deafness, University at Buffalo. Buffalo, NY, USA. Jul 10, 2009.
8. **Someya S**. Speech. The role of Bak-dependent mitochondrial apoptosis in age-related hearing loss. 19th Annual Japan Otology Conference. Tokyo, Japan. Oct 9, 2009.
9. **Someya S**. Speech. Mitochondrial oxidative damage and apoptosis in age-related hearing loss. 8th Annual Mouse Ear Research Interest Group Meeting/33rd Association for Research in Otolaryngology Midwinter Meeting. Anaheim, CA, USA. Feb 6, 2010 - Feb 10, 2010.
10. **Someya S**. Seminar. The role of mitochondria in age-related hearing loss. Barshop Institute for Longevity and Aging Studies, University of Texas Health Science Center at San Antonio. San Antonio, TX, USA. Feb 2, 2011.
11. **Someya S**. Speech. The Role of Mitochondria in Age-related Hearing Loss. 11th Scientific Meeting of Japanese Society of Anti-Aging Medicine Conference. Tokyo, Japan. May 28, 2011.
12. **Someya S**. Speech. Strategies to present age-related hearing loss by calorie restriction. 1st International Conference on Anti-Aging Medicine. Kyoto, Japan. May 27, 2011.
13. **Someya S**. Seminar. The role of mitochondria in age-related diseases. Department of Cell Biology, Microbiology, and Molecular Biology, University of South Florida. Tampa, FL, USA. Sep 30, 2011.

14. **Someya S.** Symposium. Caloric Restriction, Sirt3, and Age-related Hearing Loss. American Aging Association 41st Annual Meeting. Fort Worth, Texas, USA. Jun 3, 2012.
    Symposium co-organizer
15. **Someya S**. Seminar. Oxidative stress, Calorie restriction, and AHL. The Mouse as an Instrument for Ear Research V, Jackson Laboratory. Bar Harbor, Maine, USA. Oct 4, 2012.
16. **Someya S**. Speech. Methods to measure hearing levels/hearing loss as a marker of aging. 2012 San Antonio Nathan Shock Center Conference on Aging. Mayan Ranch, Texas Hill Country, Bandera, Texas. Oct 20, 2012.
17. **Someya S**. Seminar. Roles of Sirtuins in Age-related Hearing Loss. Department of Applied Biological Chemistry, University of Tokyo. Tokyo, Japan. Dec 22, 2014.
18. **Someya S**. Seminar. Mechanisms of Age-related Hearing Loss: Cochlear Detoxification System. Center for Hearing and Balance Seminar Series, Department of Otolaryngology-Head & Neck Surgery , Johns Hopkins University. Baltimore, MD, USA. Apr 23, 2015.
19. **Someya S**. Seminar. Age-related hearing loss: Cochlear detoxification system. Department of Anatomy and Cell Biology, UF. BMS JG-32, UF. May 6, 2015.
20. **Someya S**. Seminar. Sex differences in aging and hearing loss. Department of Medicine, University of Tohoku. Sendai, Japan. July 8, 2016.
21. **Someya S**. Seminar. Exercise and age-related hearing loss. Department of Applied Biological Chemistry, University of Tokyo, Yayoi, Japan. March 10, 2017.
22. **Someya S**. Seminar. Mitochondrial DNA Mutations and Age-related Hearing Loss. Center for Hearing and Deafness, University at Buffalo, Buffalo, NY. August 10, 2017.
23. **Someya S**. Seminar. Cochlear Detoxification: Role of GSTA4 in Cisplatin Ototoxicity in Mice. Department of Otolaryngology-Head and Neck Surgery, University of California, San Francisco School of Medicine. San Francisco, CA. January 22, 2018.
24. **Someya S**. Seminar. Roles of GSTA4 in Cochlear Aging and Cisplatin Ototoxicity in Female Mice. Division of Geriatrics, College of Medicine, University of California, San Diego. San Diego, CA. February 8, 2018.
25. **Someya S**. Seminar. Role of GSTA4 in Cisplatain Ototoxicity. Department of Pharmacology & Therapeutics Research Seminar Series. University of Florida, Gainesville, Florida. Wednesday May 6, 2020.
26. **Someya S**. Seminar. Aging and Hearing Loss. 05D002 Medical English 2, College of Medicine, University of Osaka, May 13, 2022
27. **Someya S**. Seminar. Mitochondrial DNA Mutations and Hearing Loss. 4th Annual Bellucci Symposium on Hearing Research, Friday June 3, 2022

Poster Presentations

1. **Someya S**, Weincruch R, Tanokura M, and Prolla TA. 2004. Gene Expression Profiling of age-related hearing loss in cochlea of DBA/2J mice. 5th Molecular Biology of Hearing and Deafness. 209.
2. Yamasoba T, Yamada C, **Someya S**, and Tanokura M. 2006. 813: Decreased energy metabolism, mitochondrial dysfunction, and induction of apoptosis in the cochlea of CBA mouse given germanium dioxide. 29th Annual Meeting of the Association for Research in Otolaryngology. 29: 274.
3. Kujoth GC, **Someya S**, Pugh TD, Hacker T, Weindruch R, and Prolla TA. 2006. Calorie restriction fails to ameliorate premature aging phenotypes of mitochondrial mutator mice. Abstracts of Papers Presented at the 2006 Meeting on Molecular Genetics of Aging. 90.
4. **Someya S,** Yamasoba T, Prolla T, and Tanokura M. Poster. Age-related Accumulation of Mitochondrial DNA Mutations Leads to Early Onset of Presbycusis in Mitochondrial Mutator Mice. 29th Association for Research in Otolaryngology Midwinter Meeting. Baltimore, MD, USA. Apr 5, 2006 - Apr 9, 2006.
5. **Someya S**, Yamasoba T, Prolla T, and Tanokura M. Speech. Caloric restriction and inner ear aging. 7th Scientific Meeting of Japanese Society of Anti-Aging Medicine Conference. Tokyo, Japan. Jul 21, 2007.
6. **Someya S**, Yamasoba T, Weindruch R, Tanokura M, and Prolla TA. 2007. 346: Calorie restriction suppresses apoptotic cell death in the mammalian cochlea and leads to prevention of presbycusis. Abstracts of the 30th Annual Meeting of the Association for Research in Otolaryngology. 30: 119.

7. **Someya S**, Weindruch R, Tanokura M, and Prolla TA. Speech. The mitochondrial apoptosis activator Bak is required for the pathogenesis of presbycusis. American Aging Association-37th Annual Meeting. Boulder, CO. USA. Jun 1, 2008.
8. **Someya S**, Weincruch R, Tanokura M, and Prolla TA. 2008. The mitochondrial apoptosis activator Bak is required for the pathogenesis of age-related hearing loss. Gordon Research Conferences-Auditory System. 105.
9. **Someya S**, Weincruch R, Tanokura M, and Prolla TA. 2008. Calorie restriction fails to ameliorate premature aging phenotypes of mitochondrial mutator mice. 2006 meeting of Molecular Genetics of Aging. 142.
10. **Someya S**, Yamasoba T, Prolla T, and Tanokura M. Poster. The role of Bak in the pathogenesis of age-related hearing loss. 9th Scientific Meeting of Japanese Society of Anti-Aging Medicine Conference. Tokyo, Japan. May 29, 2009.
11. **Someya S**, and Leeuwenburgh C. 2011. 120. Effects of Phenylalanine Supplementation on Age-related Hearing Loss. 38th Annual Meeting of American Aging Association. 78-79.
12. **Someya S**, Yu W, Hallows W, Xu J, Vann J, Leeuwenburgh C, Tanokura M, Denu J, and Prolla T. 2011. 145: Mitochondrial Sirt3 Mediates Reduction of Oxidative Damage and Prevention of Age-Related Hearing Loss Under Caloric Restriction. Abstracts of the 34th Annual Midwinter Research Meeting, Association for Research in Otolaryngology. 34: 48-49.
13. Kim MJ, Walker L, Han C, Linser P, and **Someya S**. Mitochondrial isocitrate dehydrogenase and age-related hearing loss. UF Institute on Aging. The 4th Annual Spotlight on Aging Research, UF, Gainesville, FL. Sep 9, 2013.
14. White K, Kim MJ, Walker L, Han C, Linser P, Le Prell C, and **Someya S**. Poster. The Role of Mitochondrial Isocitrate Dehydrogenase 2 in Age-related Hearing Loss in Mice. Gerontological Society of America. GSA's 2014 Annual Scientific Meeting, Washington, DC, USA. Nov 6, 2014.
15. Han C, Kim MJ, Walker L, Rielo D, Linser P, and **Someya S**. Poster. The Roles of Glutathione Reductase in Age-Related Hearing Loss. Institute on Aging, University of Florida. 4th Annual Spotlight on Research in Aging, UF, Gainesville, FL. Sep 9, 2013.
16. Han C, Park H, Kim MJ, White K, Walker L, Yamasoba T, Ding D, Salvi R, Linser P, and **Someya S**. Poster. The Roles of Glutathione Reductase in Age-Related Hearing Loss. Gerontological Society of America (GSA). GSA's 67th Annual Scientific Meeting, Washington, DC, USA. Nov 14, 2014.
17. Ding D, **Someya S**, Tanokura M, Jiang H, Han C, and Salvi R. 2013. 1048: NAD attenuates mefloquine-induced cochlear damage from reactive oxygen species. Abstracts of the 36th Annual Midwinter Research Meeting, Association for Research in Otolaryngology. 2013: 802.
18. Kim MJ, Walker L, Han C, Linser P, and **Someya S**. 2013. Mitochondrial isocitrate dehydrogenase and age-related hearing loss. The UF 3rd Annual Interdisciplinary Program in Biomedical Sciences Open House.
19. Kim MJ, Walker L, Han C, Linser P, and **Someya S**. 2013. Mitochondrial isocitrate dehydrogenase and age-related hearing loss. The 4th Annual Spotlight on Aging Research. 2013: 16.
20. Walker L, Kim MJ, Han C, White K, Paul Linser and **Someya S**. Mitochondrial isocitrate dehydrogenase and age-related hearing loss. UF. The 2014 Center for Undergraduate Research Board of Students Research Symposium, Gainesville, FL. Mar 1, 2014.
21. Walker L, Kim MJ, White K, Han C, Linser P, and **Someya S**. Mitochondrial isocitrate dehydrogenase and age-related hearing loss. UF. The 2014 Creativity in the Arts and Sciences Event, Gainesville, Fl. Feb 1, 2014.
22. Han C, Kim MJ, Walker L, Rielo D, Linser P, and **Someya S**. 2014. PS-013: The Roles of Glutathione Reductase in Age-Related Hearing Loss. Abstracts of the 37th Annual MidWinter meeting of the Association for Research in Otolaryngology. 37: 16-17.
23. Kim MJ, Walker L, White K, Han C, Linser P, and **Someya S**. 2014. The role of mitochondrial thioredoxin in cochlear and auditory function in mice. The 5th Annual Spotlight on Aging Research.
24. White K, Kim MJ, Han C, Walker L, Linser P, and **Someya S**. 2014. The Role of Isocitrate Dehydrogenase 2 in Age-related Hearing Loss. 5th Annual Spotlight on Aging Research.

25. Han C, Kim MJ, Walker L, Linser P, and **Someya S**. 2014. 32: The Roles of Glutathione Reductase in Age-Related Hearing Loss. 5th Annual Spotlight on Research in Aging.
26. White K, Kim MJ, Han C, Walker L, **Someya S**, and Le Prell C. 2014. The Role of Isocitrate Dehydrogenase 2 in Age-related Hearing Loss. 2014 UF Public Health and Health Professions Research Day. 4.
27. Kim MJ, Walker L, White K, Han C, Linser P, and **Someya S**. 2014. 18: Mitochondrial Thioredoxin and Hearing Loss. 2014 UF College of Medicine Celebration of Research. 2014: 10.
28. White K, Kim MJ, Han C, Walker L, Linser P, and **Someya S**. 2014. 19: The Role of Isocitrate Dehydrogenase in Age-related Hearing Loss. 2014 UF College of Medicine Celebration of Research. 10.
29. Han C, Kim MJ, Walker L, Rielo D, Linser P, and **Someya S**. 2014. 17: The Roles of Glutathione Reductase in Age-Related Hearing Loss. 2014 UF College of Medicine Celebration of Research. 2014: 10.
30. Kim MJ, Walker L, Han C, Linser P, and **Someya S.** 2014. PS-004: The roles of mitochondrial isocitrate dehydrogenase in age-related hearing loss. Abstracts of the 37th Annual MidWinter meeting of the Association for Research in Otolaryngology. 37: 12.
31. Han C, Park HJ, Kim MJ, White K, Walker L, Yamasoba T, Ding D, Salvi R, Linser P, and **Someya S**. 2015. 15: Progress Report on the Roles of Glutathione Reductase in the Auditory System. 2015 UF College of Medicine Celebration of Research. 9.
32. White K, Kim MJ, Han C, Walker L, **Someya S**, and Le Prell C. 2015. An Update on the Role of Isocitrate Dehydrogenase 2 in Age-related Hearing Loss. 2015 UF Public Health and Health Professions Research Day. 5.
33. Kim MJ, Han C, Walker L, White K, Ding D, Leeuwenburgh C, Salvi R, Linser P, and **Someya S**. 2015. PS-514: Progress Report on the Roles of Mitochondrial Thioredoxin in the Auditory System. Abstracts of the 38th Annual MidWinter Meeting of the Association for Research in Otolaryngology. 38: 318.
34. White K, Kim MJ, Walker L, Han C, Linser P, Le Prell C, and **Someya S**. 2015. PS-510: Progress Report on the Roles of Mitochondrial Isocitrate Dehydrogenase in the Auditory System. Abstracts of the 38th Annual MidWinter Meeting of the Association for Research in Otolaryngology. 38: 316.
35. Han C, Park HJ, Kim MJ, White K, Walker L, Yamasoba T, Ding D, Salvi R, Linser P, and **Someya S**. 2015. PS-511: Progress Report on the Roles of Glutathione Reductase in the Auditory System. Abstracts of the 38th Annual MidWinter Meeting of the Association for Research in Otolaryngology. 38: 317.
36. Kim MJ, Han C, Walker L, White K, Ding D, Leeuwenburgh C, Salvi R, Linser P, and **Someya S**. 2015. 16. Progress report on the roles of mitochondrial thioredoxin in the auditory system. 2015 UF College of Medicine Celebration of Research. 9.
37. White K, Kim MJ, Han C, Walker L, Linser P, and **Someya S.** 2015. 17. Progress report on the roles of mitochondrial isocitrate dehydrogenase in the auditory system. 2015 UF Celebration of Research. 9.
38. Kim MJ, Han C, Walker L, White K, Ding D, Leeuwenburgh C, Salvi R, Linser P, and **Someya S**. 2016. PS-1: Progress Report on the Roles of Mitochondrial Thioredoxin 2 in the Auditory System. Abstracts of the 39th Annual MidWinter Meeting of the Association for Research in Otolaryngology. 12.
39. Han C, Park HJ, Kim MJ, White K, Walker L, Yamasoba T, Ding D, Salvi R, Linser P, and **Someya S**. 2016. PS-2: Progress Report on the Roles of Glutathione Reductase in the Auditory System. Abstracts of the 39th Annual MidWinter Meeting of the Association for Research in Otolaryngology. 13.
40. White K, Kim MJ, Walker L, Han C, Linser P, Le Prell C, and **Someya S**. 2015. PS-3: Progress Report on the Roles of Mitochondrial Isocitrate Dehydrogenase in the Auditory System. Abstracts of the 39th Annual MidWinter Meeting of the Association for Research in Otolaryngology. 13
41. Park HJ. Han C, Kim MJ, White K, Ding D, Salvi R, Linser P, and **Someya S**. 2016. Effects of Gsta4 Deficiency on Age-related Hearing Loss in Mice. Abstracts of the 46th Annual Meeting of the Society for Neuroscience.
42. White K, Kim MJ, Han C, Park HJ, Ding D, Linser P, Salvi R, and **Someya S**. 2016. The Effects of Glucose-6-Phosphate Dehydrogenase Deficiency on Cochlear and Auditory Function in mice. Abstracts of the 46th Annual Meeting of the Society for Neuroscience.

43. Park HJ, Han C, White K, Kim MJ, White K, Ticsa M, Caicedo I, Manohar S, Ding D, Linser P, Salvi R, **Someya S**. 2017. Effects of Gsta4 deficiency on Age-related Hearing Loss in Mice. 2017 Celebration of Research, University of Florida, Gainesville, FL.
44. White, K, Kim, MJ, Han, C, Park, HJ, Ding, D, Meneses, Z, Hirst, J, A, Linser, P, Salvi, R, **Someya, S** (2017). Roles of Glucose-6-Phosphate Dehydrogenase in the Cytosolic Antioxidant Defense in Mouse Cochlea. 40th Annual Association for Research in Otolaryngology 2017 Midwinter Meeting, Baltimore, MD.
45. Kim MJ, Han C, Walker L, White K, Ding D, Leeuwenburgh C, Salvi R, Linser P, and **Someya S**. 2017. PS-152: Roles of Mitochondrial Thioredoxin 2 in the Maintenance of Thioredoxin Antioxidant Defense and Cellular Survival. Abstracts of the 40th Annual MidWinter Meeting of the Association for Research in Otolaryngology.
46. Kim MJ, Han C, Walker L, White K, Ding D, Leeuwenburgh C, Salvi R, Linser P, and **Someya S**. 2018. PS-152: Role of Mitochondrial DMA Mutations in Age-related Hearing Loss. Abstracts of the 41st Annual MidWinter Meeting of the Association for Research in Otolaryngology.
47. Park HJ, Han C, White K, Kim MJ, White K, Ticsa M, Caicedo I, Gomez AS, **Someya S**. 2017. GSTA4 plays an essential role in reducing cisplatin-induced hearing loss in female mice. 2018 Celebration of Research, University of Florida, Gainesville, FL.
48. Boyd KB, Griffiths S, **Someya S**, Manini T. Hearing Sensitivity is associated with Metabolic Efficiency in Older Adults. 2018 Celebration of Research, University of Florida, Gainesville, FL.
49. Kim MJ, Han C, Walker L, White K, Ding D, Haroon S, Park HJ, Boyd K, Caicedo K, Evans K, Salvi R, Linser P, Vermulst M, and **Someya S**. Accumulation of Mitochondrial DNA Deletions Accelerates Age-related Hearing Loss in Mice. 2018 Celebration of Research, University of Florida, Gainesville, FL.
50. Park HJ, Kim MJ, Walker L, White K, Han C, Linser P, and **Someya S**. The role of mitochondrial thioredoxin in cochlear and auditory function in mice. The 8th Annual Spotlight on Aging Research. University of Florida, Gainesville, FL.
51. **Someya S**, White K, Kim MJ, Han C, Park HJ, Linser P. Roles of Glucose-6-Phosphate Dehydrogenase in the Cytosolic Antioxidant Defense in Mouse Cochlea. 8th Annual Spotlight on Aging Research. University of Florida, Gainesville, FL.
52. Kim MJ, Park HJ, White K, Han C, Linser P, and **Someya S**. The role of mitochondrial DNA deletions and point mutations in age-relate hearing loss in mice. The 8th Annual Spotlight on Aging Research. University of Florida, Gainesville, FL.
53. Boyd K, White K, Park HJ, Kim MJ, Han C, Linser P, and **Someya S**. The Role of Isocitrate Dehydrogenase 2 in Age-related Hearing Loss. The 8th Annual Spotlight on Aging Research. University of Florida, Gainesville, FL.
54. Rothenberger C, Park HJ, Kim MJ, Ding D, White K, Han C, Bui E, Caicedo I, Evans K, Carmichael P, Hoogland E, Lee L, Viola E, and **Someya S** (2018). Role of Gsta4 in Cisplatin-induced Hearing Loss in Mice. 2018 Florida Translational Cell Biology Symposium, University of Florida, Gainesville, FL.
55. Bui E, Kim MJ, Han C, Park HJ, White K, Rothenberger C, Caicedo I, Bose U, Wahba P, Avaiya K, Ding D, and **Someya S** (2018). Role of Mitochondrial Thioredoxin in the Antioxidant Defense in Mouse Cochlea. 2018 Florida Translational Cell Biology Symposium, University of Florida, Gainesville, FL.
56. Evans K, Kim MK, Bui E, Rothenberger C, Ding D, Haroon S, White K, Park HJ, Han C, Caicedo I, Linser P, Vermulst M, Salvi R, and **Someya S** (2018). Roles of Mitochondrial DNA deletions and Point Mutations in Age-related Hearing Loss in Mice. 2018 Florida Translational Cell Biology Symposium, University of Florida, Gainesville, FL.
57. Ding D, Qi W, Jiang H, Salvi R, Tanokura M, **Someya S** (2019). Age-related cochlear and vestibular pathologies in African vervet monkeys. Abstracts of the 41th Annual MidWinter Meeting of the Association for Research in Otolaryngology. Baltimore, MD.
58. **Someya S**, Kim M, Rothenberger C, Bui E, Bose U, Evans K, Hoogland E, Lee L, Ding D, Salvi R (2019). Assessment of Mitochondrial DNA Mutations in the Cochleae of CBA/CaJ, C57BL/6 and Polg mutator mice. Abstracts of the 41th Annual MidWinter Meeting of the Association for Research in Otolaryngology. Baltimore, MD.

59. Kim M, Han C, Park HJ, White K, Ding D, Rothernberger C, Bui E, Evans E, Caicedo I, Bose U, Linser P, Salvi R, **Someya S** (2019). Role of Mitochondrial Thioredoxin in Cochlear Antioxidant Defense and Aging. Abstracts of the 41th Annual MidWinter Meeting of the Association for Research in Otolaryngology. Baltimore, MD.
60. Rothernberger C, Park HJ, Kim M, Ding D, White K, Han C, Bui E, Evans E, Carmichael P, Viola E and **Someya S** (2019). Role of Gsta4 in Cisplatin-induced hearing loss in mice. 2019 Celebration of Research, University of Florida, Gainesville, FL.
61. Kim MJ, Zhang Y, White K, Park HJ, Han C, Boyd K, Caicedo K, Evans K, Rothernberger C, Bui E, Bose U, Carmichael P, Viola E, Whaba P, Avaiya K, Linser P, **Someya S**. (2019). The role of mitochondrial DNA deletions in cochlear neurodegeneration and age-related hearing loss in mice. 2019 Celebration of Research, University of Florida, Gainesville, FL.
62. Bose U, Kim M, Han C, Park HJ, White K, Rothernberger C, Bui E, Caicedo I, Evans K, Carmichael P, Viola E, Whaba P, Avaiya K, Ding D, Salvi R, **Someya S** (2019). Roles of thioredoxin 2 in the maintenance of thioredoxin antioxidant defense in mouse cochlea. 2019 Celebration of Research, University of Florida, Gainesville, FL.
63. Bose U, Kim M, Han C, Park HJ, White K, Rothernberger C, Tran D, Bui E, Caicedo I, Evans K, Carmichael P, Viola E, Whaba P, Avaiya K, Ding D, Salvi R, Eckdahl H, Dorey C, Milani M, Samuel I, Roger M, Linser P, and **Someya S** (2020). Roles of thioredoxin 2 in inner ear aging. 2020 COM Celebration of Research, University of Florida, Gainesville, FL.
64. Avaiya K, Kim MJ, Zhang Y, Rothenberger C, Bose U, Carmichael P, Viola E, Whaba P, Eckdahl HM, Dorey C, Milani M, Samuel I, Rogers M, Tran D, Linser P, and **Someya S** (2020). Increased Burden of Mitochondrial DNA Deletions and Point Mutations in Early-Onset Age-Related Hearing Loss in Mitochondrial Mutator Mice. 2020 COM Celebration of Research, University of Florida, Gainesville, FL.
65. Suzuki J, Inada H, Han C, Kim MJ, Kimura R, Takata Y, Honkura Y, Owada Y, Kawase T, Katori Y, **Someya S**, Osumi N. (2020). Passenger Gene» Problem in Transgenic C57BL/6 Mice Used in Hearing Research. The 42th Annual MidWinter Meeting of the Association for Research in Otolaryngology. San Jose, CA.
66. Kim MJ, Honkura Y, Suzuki J, Ding D, Carmichael P, Bose U, Avaiya K, Milani M, Salvi R, **Someya S** (2021). Sex Differences in Auditory Brainstem Response Thresholds and Wave Amplitudes and Latencies in CBA/CaJ Mice Across the Lifespan. 2021 Virtual MidWinter Meeting of the Association for Research in Otolaryngology.
67. **Someya S**. Kim MJ, Carmichael P, Bose U, Avaiya K, Milani M, Honkura Y, Suzuki J (2021). Role of Transmembrane Protein 135 in Cochlear and Auditory Function. 2021 Virtual MidWinter Meeting of the Association for Research in Otolaryngology.
68. Peter Carmichael, Mi-Jung Kim, Upal Bose, Kishan Avaiya, Marcus Milani, **Shinichi Someya** (2021). Sex Differences in Auditory Function in CBA/CaJ Mice Across the Lifespan. 2021 Florida Translational Cell Biology Symposium, University of Florida, Gainesville, FL.
69. Elisabeth Rymer, Daniella Fragnito, Nathan Strom, Mi-Jung Kim, Peter Carmichael, Upal Bose, Kishan Avaiya, Marcus Milani, **Shinichi Someya**. Effects of Ovariectomy on Auditory Brainstem Response Wave Amplitudes in CBA/CaJ Mice Across the Lifespan. 2021 HPNP Research Day, February 2021. University of Florida.
70. Kim, MJ., Carmichael, P., Erfe, S., Bose, U., Honkua, Y., Ding, D., Avaiya, K., Milani, M., Suzuki, J., Salvi, R. **Someya, S**. Sex differences in body composition, balance performance, and hearing function in CBA/CaJ mice across the lifespan. February 2022 MidWinter Meeting of the Association for Research in Otolaryngology. San Jose, CA.
71. Erfe, S, Kim, MJ., Carmichael, P., Bose, U., Avaiya, K., Milani, M., Someya, S. Sex differences in hearing function in CBA/CaJ mice across the lifespan. February 2022 PHPP Research Day. Gainesville, FL