

Language Sciences Initiative
Report to the Governing Committee of Deans

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With support from Bonny Norton, Bryan Gick and Sid Fels
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Executive Summary

Since the Language Sciences Initiative's Steering Committee last met with the Governing Committee of Deans in May 2016, a great deal of progress has been made. This includes

- Affiliates
 - Faculty affiliates: Increase to 114 (2 campuses, 10 Faculties)
 - Graduate affiliates: Increase to 40 (2 campuses, 4 Faculties)
- Financial support
 - Founding donor Marietta Hurst: Second installment
 - Governing Deans: Kickstart funding
 - Vice President Research:
 - Seed funding
 - GCRC (Grants for Catalyzing Research Clusters)
 - Vice President Academic: Undergraduate cross-faculty course development funding (3 years)
- Research strategy
 - Three broad themes
 - Research leads from four Faculties
 - Small (14 groups) and large (6 groups) new projects (2 campuses, 6 Faculties)
 - LOI submitted for NSERC Strategic Partnership Grant
 - SSHRC Connection Grant in progress
- Undergraduate cross-faculty course: "Living Language: Science and Society"
 - Cross-faculty approval and implementation mechanism developed
 - Support and assistance from President, VP Academic, Office of the Senate, Senate Curriculum and Teaching & Learning Committees, CTLT, Faculties
 - Approved by Faculty of Land and Food Systems
 - Pending approval by Sauder School of Business and Faculties of Arts, Education and Forestry
 - In process: Faculties of Applied Science and Pharmaceutical Sciences
 - Ready to support but not yet cross-list: Faculty of Science
- Interdisciplinary colloquium series: "Language Science Talks!"
 - 5 internationally acclaimed speakers
 - Excellent, university-wide attendance
 - Live streaming to UBC-O
- Synergetic initiatives
 - Master of Computational Linguistics
 - Language Sciences Undergraduate Research Conference
 - Vanguard of university-wide drive towards cross-faculty undergraduate courses
- Website re-development: summer 2017
 - Early adopter of research cluster website template through VP Research

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1. Organization

1.1 Steering Committee

Dr. Janet Werker, Professor, Canada Research Chair, & University Killam Professor, Psychology (co-director)

Dr. Bryan Gick, Professor and Head, Linguistics (co-director)

Dr. Sid Fels, Professor, Electrical and Computer Engineering

Dr. Bonny Norton, Professor and Distinguished University Scholar, Language and Literacy Education

In August 2016, the Language Sciences Initiative welcomed Dr. Bonny Norton, Professor and Distinguished University Scholar in the Department of Language and Literacy Education, to the Initiative's steering committee.

1.2 Research Leads

Language, Sustainability and Transnationalism: Dr. Bonny Norton and Dr. Shaylih Muehlmann (Associate Professor and Canada Research Chair, Anthropology)

The Communicating Mind and Body: Dr. Janet Werker and Dr. Lara Boyd (Professor and Canada Research Chair, Physical Therapy)

Evolving Language in an Information Economy: Dr. Bryan Gick and Dr. Sid Fels

For a full description of the Language Sciences research structure and strategy, please see section 4.

1.3 Governing Committee

Dr. Marc Parlange, Dean, Faculty of Applied Science

Dr. Kathryn Harrison, Acting Dean, Faculty of Arts

Dr. Blye Frank, Dean, Faculty of Education

Dr. Dermot Kelleher, Dean, Faculty of Medicine

Dr. Simon Peacock, Dean, Faculty of Science

1.4 Staff

Dr. Jennifer Abel, Language Sciences Coordinator

2. Affiliates

As of March 2017, the number of affiliates of the Language Sciences Initiative has grown to 114 regular faculty members, 12 other faculty members (emeritus, honorary professors, adjunct professors, affiliates, sessional lecturers, postdocs), and nearly 40 graduate students. These affiliates represent both the UBC-Vancouver and UBC-Okanagan campuses. At UBC-V, affiliates come from the Faculties of Applied Science, Arts, Business, Education, Medicine, and Science, as well as from Vantage College. At UBC-O, affiliates from the Irving K. Barber

School of Arts and Sciences, and from the Faculties of Critical and Creative Studies and Education.

3. Financial Support

Language Sciences has continued to receive support from its founding donor, Marietta Hurst. Ms. Hurst's generous donation has provided the means for Language Sciences to hire a coordinator, Dr. Jennifer Abel, and to run the day-to-day operations of the initiative.

The support from the Faculties represented on the Governing Committee, in combination with seed funding provided by the Office of the Vice President Research (VPR) has allowed Language Sciences to host initiative-wide meetings which foster the growth and development of the network, and to provide small research funding grants to several affiliated researchers (see section 4). This funding has allowed some of the small projects to grow into larger undertakings supported by a Grant for Catalyzing Research Clusters award from the VPR (see section 4 for more details).

Funding has also been received from the Office of the Vice President Academic and Provost in support of the development and initial offerings of the proposed cross-faculty undergraduate course in the language sciences, "Living Language: Science and Society" (see section 5 for more details). This funding, which will be delivered over three years, has been provided from the Excellence Fund.

4. Research

In the summer of 2016, Language Sciences developed a tripartite research strategy around three themes: Language, Sustainability and Transnationalism; The Communicating Mind and Body; Evolving Language in an Information Economy. Each theme is led by one Faculty member from Arts (the Faculty with the greatest number of Language Sciences affiliates) and one Faculty member from another Faculty to ensure broad interdisciplinary perspectives.

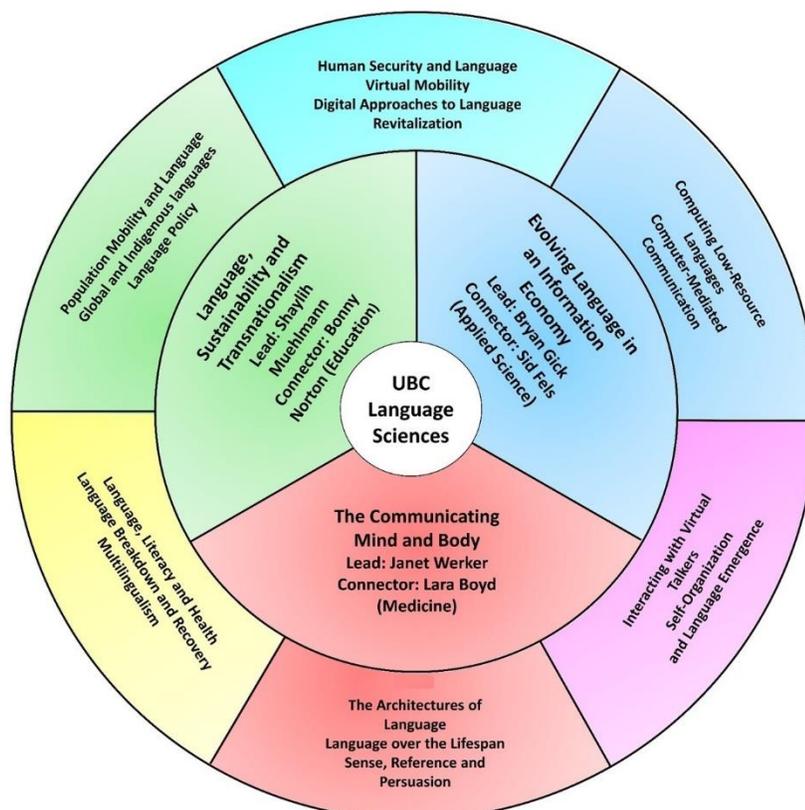


Figure 1. Diagram of the Language Sciences three-part research strategy, with sample sub-themes within each theme.

With this strategy as our foundation, we submitted a successful proposal for a Grant for Catalyzing Research Clusters in the Humanities and Social Sciences to the VPR in July 2016. We received \$60,000 in funding to help support the initiative's activities; this funding became active in October 2016, to be used by December 31, 2017. Work is ongoing to develop theme-related projects involving researchers from across the initiative (see below); small groups in each theme are meeting on a regular basis.

We also held a small internal funding competition for Language Sciences affiliates in August 2016. With the support of funding from the VPR and from the Faculties represented on our governance committee (see section 2), we were able to support 14 individual or joint projects by researchers from Anthropology, Asian Studies, Centre for Brain Health, Computer Science, ECPS, IRES, LLED, Linguistics, Music, Neurology, Psychiatry, Psychology, SASS, UBC-O, and Hong Kong Polytechnic University. We awarded \$15,000 in total to these researchers. All of these projects fell within at least one of the research themes; some fell within two or three of them. Brief information about these projects is provided in the discussion below; full descriptions are available on request. Prospective presentations on number of these projects were shared with the wider group at the Language Sciences research launch event, held on September 27, 2016 in the Sage East Conference Room at the Peter Wall Institute.

In addition to these activities, the initiative submitted a proposal in June 2016 to the Faculty of Arts for a Tier 1 CRC in Language, Mind and Brain; while the proposal was not successful, feedback was positive, and further opportunities of this type will be pursued.

4.1 Language, Sustainability and Transnationalism (LST)

The LST theme is led by Shaylih Muehlmann (Anthropology, Arts) and Bonny Norton (LLED, Education).

4.1.1 Projects funded by GCRC

Storybooks Canada

Principal Investigator: Bonny Norton

The Storybooks Canada project has grown out of the African Storybook project (<http://www.africanstorybook.org/>). This project is creating a website for teachers that makes 40 stories from the African Storybook project available in the major immigrant and refugee languages of Canada, in addition to English and French. Highlights of this project to date include The development of the website (currently in beta testing) at

<http://storybookscanada.ca/contact.html>

An essay for the Peter Wall Institute's Canada 150 project, titled: "Multilingual Canada and Digital Storytelling in the Era of Reconciliation" (in press).

An MOU between the Faculties of Education at UBC and McGill, and the Canadian literacy organization, CODE (Canadian Organization for Development through Education).

CODE funding for a UBC landscape report on "Africa Language and Literacy" and the development of an invited workshop for the Pan African Conference on Literacy, to be held in Nigeria in August, 2017 (~\$25,000)

Project headed by Shaylih Muehlmann

Highlights of this project to date include

Preparation of a co-authored working paper.

A successful application to the Peter Wall Theme Development grant competition: \$700 for a workshop entitled "The power of absence and silence" to be held April 18, 2017.

A successful application for an HSS Workshop grant from the Faculty of Arts for a workshop in Anthropology with Dr. Terra Edwards, from the Department of Linguistics at Gallaudet University. This workshop, held on January 5, 2017, included a talk entitled "How does embodied experience of the social world shape the structures of our language? Insights from DeafBlind communities in Seattle and Washington, DC" and a session led by Dr. Edwards for graduate students on Language, Space and Embodiment.

Project headed by Patricia Duff, Professor, Language and Literacy Education

This project is still in development, but will expand on the work begun by Dr. Duff with the funding from the Language Sciences Small Project Funding competition (see below).

4.1.2 Projects funded by Language Sciences Small Project Funding

The African Storybook in Multilingual Canadian Classrooms

PI: Bonny Norton, Professor, Language and Literacy Education (LLED). Co-Investigators: Espen Stranger-Johannessen, Liam Doherty, and Ron Darvin, PhD students, LLED; Margaret Early and Margot Filipenko, Professors, LLED.

How linguistic communication shapes the perception of a plant-based diet

PI: Jiaying Zhao, Assistant Professor and Canada Research Chair, Psychology/IRES. Co-Investigator: Sebastian Leon, Student, Psychology.

Kaska Language Immersion Parent Group

PI: Patrick Moore, Associate Professor, Anthropology. Co-Investigator: Martina Volfova, PhD Candidate, Anthropology

Kizuna: Trust Inbetween Spaces of Past and Future

PI: Carl Leggo, Professor, Language and Literacy Education. Co-investigators: Yoriko Gillard, PhD student, Language and Literacy Education

Negotiating changing Chinese language, literacy and other semiotic practices in the transnational online information economy

PI: Patricia Duff, Professor, Language and Literacy Education. Co-Investigators: Duanduan Li, Associate Professor, Asian Studies; Liam Doherty, PhD Candidate, Language and Literacy Education

Sound Change and Perceptual Adaptation in English-Cantonese Bilinguals

PI: Molly Babel, Associate Professor, Linguistics. Co-investigators: Laretta Cheng and Leighanne Chan, undergraduate students, Linguistics; Yao Yao, Hong Kong Polytechnic University.

There and Back in Two Languages: Intersections of Bilingualism, Identity and Place for Luso-Canadian Transnationals

PI: Christine Schreyer, Associate Professor, Community, Culture and Global Studies, UBC-O. Co-investigator: Sara Vieira, PhD Candidate, Community, Culture and Global Studies, UBC-O.

Workplace language challenges and triumphs for newcomers from diverse linguistic backgrounds in the Okanagan

PI: Scott Roy Douglas, Assistant Professor, Education, UBC-O

You Get What You Ask For: Understanding the Importance of Interview Language Choice in Multilingual Communities

PI: Shaylih Muehlmann, Associate Professor and Canada Research Chair, Anthropology; Co-Investigator: Daria Boltokova, PhD Candidate, Anthropology, UBC, and Graduate Fellow, Davis Center for Russian and Eurasian Studies, Harvard University

4.2 The Communicating Mind and Body (CoMBo)

The CoMBo theme is led by Janet Werker (Psychology, Arts) and Lara Boyd (Physical Therapy, Medicine).

4.2.1 Projects funded by GCRC

Language and Health Outcomes

Lorienne Jenstad, Associate Professor in Audiology and Speech Sciences, is leading a group of language sciences researchers and graduate students from the School of Audiology and Speech Sciences and the Departments of Linguistics and Psychology to look at questions surrounding the interaction of language and health outcomes.

Neural signatures of speech motor learning

Janet Werker, Professor and Canada Research Chair in Psychology, and Lara Boyd, Professor and Research Chair in Physical Therapy, are leading a team of researchers and graduate students from the Departments of Psychology, Physical Therapy, Linguistics, Philosophy, Ophthalmology, English, Pediatrics, Neurology, and BC Children's Hospital to look at the relation between speech motor learning and myelination.

4.2.2 Projects funded by Language Sciences Small Project Funding

Canadian Raising in Singing

PI: Bryan Gick, Professor, Linguistics. Co-Investigators: Murray Schellenberg, Postdoctoral Fellow, Linguistics; Avery Ozburn, PhD Student, Linguistics; J. Patrick Raftery, Assistant Professor, Music

The effects of intermittent theta burst stimulation on progressive non-fluent aphasia: A pilot study

PI: Tami Howe, Assistant Professor, Audiology and Speech Sciences. Co-Investigators: Jeff Small, Associate Professor, Audiology and Speech Sciences; Maya Lichtenstein and Rodrigo Santibanez, Behavioral Neurology Fellows, Centre for Brain Health; Fidel Vila-Rodriguez, Assistant Professor, Psychiatry; Howard Feldman, Professor, Neurology.

Haptic feedback increases speech intelligibility

PI: Karon MacLean, Professor, Computer Science. Co-Investigators: David Marino, Research Assistant, Computer Science; Eric Vatikiotis-Bateson, Professor, Linguistics/Cognitive Systems.

Kizuna: Trust Inbetween Spaces of Past and Future

(see description under Language, Sustainability and Transnationalism)

Neurocognitive development in French immersion students

PI: Rachel Weber, Assistant Professor, Educational & Counselling Psychology, and Special Education. Co-Investigator: Stefka Marinova-Todd, Associate Professor, Audiology and Speech Sciences.

Sound Change and Perceptual Adaptation in English-Cantonese Bilinguals

(see description under Language, Sustainability and Transnationalism)

4.3 Evolving Language in an Information Economy (ELIE)

The ELIE theme is led by Bryan Gick (Linguistics, Arts) and Sid Fels (Electrical and Computer Engineering, Applied Science).

4.3.1 Projects funded by GCRC

The major project for this research area is still under development, but strongly leaning toward the role of avatars in computer-mediated spoken communication.

4.3.2 Projects funded by Language Sciences Small Project Funding

Haptic feedback increases speech intelligibility

(see description under The Communicating Mind and Body)

Kizuna: Trust Inbetween Spaces of Past and Future

(see description under Language, Sustainability and Transnationalism)

Sound Change and Perceptual Adaptation in English-Cantonese Bilinguals

(see description under Language, Sustainability and Transnationalism)

You Get What You Ask For: Understanding the Importance of Interview Language Choice in Multilingual Communities

(see description under Language, Sustainability and Transnationalism)

4.3.3 Project Proposals

In February 2017, Sid Fels (PI), Bryan Gick (Co-Investigator), and Ian Stavness of the University of Saskatchewan (Co-Investigator) submitted an LOI for an NSERC Strategic Partnership Grant for the project “Control Strategies for Articulatory Speech Synthesis for Natural User Interfaces”. If this advances to the next stage, others from the “Communicating Mind and Body” theme will be included. Their description of the project is as follows:

“We propose to advance the state of the art of articulatory speech synthesis research by building and evaluating neural activation-based models to drive a parameterized, 3D biomechanical-articulatory speech synthesizer. Our industry partner, CTF (<http://www.ctfmeg.com>) provides expertise in magnetoencephalography (MEG) and multimodal sensing of the brain and neural pathways, contributing to developing novel low degree-of-freedom (DoF) speech control strategies. The proposed research targets ICT - Human Interaction with Digital Information, as we focus on fundamental aspects of speech-based natural user interfaces. We plan to work backwards from our biomechanically driven speech synthesizer to determine control strategies that take advantage of the coupling afforded by biomechanics to reduce the DoF needed for producing natural sounding speech. Creating low DoF control representations is an important

step for creating talking heads that move and sound natural for avatar-type interfaces needed for natural user interfaces.

“We have three central goals for this project: 1) improving our existing biomechanics-to-speech model, 2) developing neural control topologies, and 3) building control models for the coupled biomechanical-neural system. These goals will converge to synthesize a neurally controlled talking head for use in natural user interface evaluations. As a capstone demonstration, we will explore having a person speak in real-time using the neurally controlled talking head while in the MEG.”

5. Undergraduate cross-faculty course: “Living Language: Science and Society”

Development of the proposed Language Sciences undergraduate course has progressed enormously over the last several months. The course has been given the working name “Living Language: Science and Society”. Language Sciences has worked closely with Kyle McCleery, Academic Governance Officer with UBC Senate, Peter Marshall, Chair of the Senate Curriculum Committee, and Eric Eich, Vice-Provost to best determine how to implement the course in a truly cross-faculty way, given the limitations imposed by the BC University Act. The decision was made to cross-list the course in the major undergraduate Faculties, so that students from any Faculty would see the course and be able to register in it. Separate approval processes are underway in each of those Faculties; once approval has been given by each participating Faculty, a submission will be made to the Senate Curriculum Committee, and the course is anticipated to reach Senate for full approval in the spring or summer of 2017. The Provost’s Office, in particular Provost Anji Redish and Vice-Provost Eric Eich, has been extremely supportive of this initiative, and has committed three years’ worth of funding to help develop innovative online materials for the course and to support instructor buyouts.

As part of this process, Language Sciences steering committee members have met with various groups involved in the approval process, including the Associate Deans Academic (May 2016), the Senate Teaching and Learning Committee (September 2016), the Senate Curriculum Committee (October 2016), the Associate Deans Academic and Students from the Faculty of Science (January 2017), and the Arts Curriculum Committee (February 2017). Email and phone conversations have ensued with all other key players.

The ongoing work on development of the structure of the course and the syllabus has been assisted greatly by the Centre for Teaching, Learning and Technology (CTLT). In particular, Simon Bates, Jeff Miller, and Allyson Rayner have made tremendous contributions to the development of the course. Funding from the Provost’s office will support the team teaching model and the development of on-line materials, cases, etc.

6. Interdisciplinary colloquium series: “Language Science Talks!”

The ‘Language Science Talks!’ series, an ongoing a series of talks by outstanding researchers in the language sciences from around the world, began in January 2017. The first five talks were held in conjunction with the graduate-level course Psychology 584A, “Language Development in Infancy and Childhood”, and focused on topics in that area. These talks were supported in part by the Social Sciences and Humanities Research Council of Canada (SSHRC) 2015 Gold Medal award given to Janet Werker.

The talks were held in the Auditorium in the Beaty Biodiversity Museum, a venue which is equipped with Mediasite livestreaming and media capture capabilities. This allowed us to share the livestreams of the talks at with our affiliates at UBC Okanagan, who coordinated viewings in the Arts Building; to make the talks available to others who were not able to attend in person, and to archive the talks for use in the proposed Language Sciences course. The talks can be viewed at

<http://mediasitemob1.mediagroup.ubc.ca/Mediasite/Catalog/Full/65992dfda07e4e5d933ebf2c3339010e21>

In addition to their public talks, the speakers in the Gold Medal Speakers Series were filmed in an interview situation with Janet Werker to create additional material which can be used in the proposed Language Sciences course.

The speakers in this initial series are listed below. Work is ongoing to determine speakers for the 2017-2018 academic year.

6.1 SSHRC Gold Media Speaker Series Events

Krista Byers-Heinlein, Concordia University

One baby, two languages: How infants navigate and learn from bilingual environments

Tuesday, January 24, 2017, 3:30 pm

Infants growing up in bilingual environments must build a language system that accommodates two languages. An important task for these infants is to discriminate and differentiate their languages. While it is easy to imagine an early bilingual environment that neatly packages the two languages in a way that facilitates this task (e.g. one-parent-one-language), bilingual infants do not necessarily encounter their languages in this way. This talk will present evidence that bilingual infants typically hear their two languages in bilingual contexts: spoken by the same person, in the same situation, and/or within the same sentence. Experimental work is beginning to reveal how bilingual infants cope with the bilingual nature of their input, including language discrimination and the processing of code switched speech. Issues and challenges in studying bilingual language acquisition will be highlighted.

Michael C. Frank, Stanford University

Bigger data about smaller people: Studying children’s language learning at scale

Tuesday, February 7, 2017, 3:30 pm

How do children acquire a language? Decades of work have provided a roadmap of principles and mechanisms for early language learning as attested by small-scale laboratory tasks. But there is not yet a convincing empirical synthesis of this work that addresses both the systematicity and ubiquity of language learning and the variability of learning trajectories across children. In this talk I will describe some initial steps towards such a synthesis. This research integrates high-density from individual children learning a single language and summary from tens of thousands of children learning more than a dozen languages. Taken together, the data support a hybrid picture in which children slowly accumulate knowledge in rich social contexts but also show evidence for surprisingly fast grammatical abstractions.

Jenny Saffran, University of Wisconsin

Statistical learning and early language development

Tuesday, February 28, 2017, 3:30 pm

Long before infants produce their first words, they have learned a tremendous amount about their native language(s). What do infants know, and how did they learn it? One important way that infants learn is by tracking the statistical properties of their native language(s). Implications for atypical language development will also be considered.

Sandra Waxman, Northwestern University

What's it all about: How (and how early) do infants link language and cognition?

Tuesday, March 14, 2017, 3:30 pm

Language is a signature of our species. To acquire a language, infants must identify which signals are part of their language and discover how these are linked to the objects and events they encounter. For infants as young as 3 months of age, listening to human vocalizations promotes the formation of object categories, a fundamental cognitive capacity. Moreover, this precocious link emerges from a broader template that initially encompasses vocalizations of human and non-human primates, but is rapidly tuned specifically to human vocalizations. In this talk, I'll focus on the powerful contributions of both 'nature' and 'nurture' as infants discover increasingly precise links between language and cognition, and use them to learn about their world.

Simon E. Fisher, Max Planck Institute (Nijmegen) and Donders Brain and Language Institute

A molecular genetic perspective on speech and language

Tuesday, March 28, 2017, 3:30 pm

The rise of molecular technologies has yielded exciting new routes for studying the biological foundations of language. In particular, researchers have begun to identify genes implicated in neurodevelopmental disorders that disrupt speech and language skills. My talk will illustrate how such work can provide powerful entry points into critical neural pathways, using FOXP2 as an example. Rare mutations of this gene cause problems with learning to sequence mouth movements during speech, accompanied by wide-ranging deficits in language production and comprehension. FOXP2 encodes a regulatory protein, a hub in a network of other genes, several of which have also been associated with language-related impairments. Versions of FOXP2 are found in similar form in many vertebrate species; indeed, studies of animals and birds suggest it has conserved roles in the development and plasticity of certain sets of neural circuits. Thus, the contributions of this gene to human speech and language involve modifications of evolutionarily ancient functions. Searches for additional language-related genes are underway, taking advantage

of dramatic advances in genomic methods. Overall, the FOXP2 story illustrates the value of an interdisciplinary approach for unravelling the complicated connections between genes, neurons, brain circuits and language.

7. Synergetic Initiatives

7.1 Master of Computational Linguistics

The Department of Linguistics, one of the key players in the Language Sciences Initiative, is creating a Professional Master of Computational Linguistics in collaboration with the Faculty of Science. This industry-facing interdisciplinary master's programme will result in several new, cross-disciplinary faculty, and the training of thirty-five students a year. As part of the master's, the students will be working with the tech industry, resulting in greater links between BC's burgeoning technology sector and Language Sciences as a whole.

Computational linguistics is a growth area within a growth area: the employment outlook for software designers is strong in BC and many other areas, and the field is projected to continue to grow for at least the next 10 years (US projections are for a 17% increase, to over 1 million jobs, during this period); and as the overall field continues to grow, multiple sources indicate that specialization in computational linguistics will continue to be a leading growth area within the field.

UBC's diverse and interdisciplinary language research community make it an excellent home for a computational linguistics programme. In particular, UBC's research on diverse languages from around the world and indigenous North America mean that UBC Computational Linguistics students will gain a rich understanding of and respect for linguistic diversity.

Furthermore, collaboration with the new faculty hires will provide Language Science researchers even more access to techniques such as machine learning, big data and computational automatization.

7.2 Language Sciences Undergraduate Research Conference (LSURC)

Language Sciences was proud to sponsor the first ever Language Sciences Undergraduate Research Conference (LSURC), with student presenters from Asian Studies, Audiology and Speech Sciences, English, First Nations and Indigenous Studies, Linguistics, and Psychology. The conference was held on the evenings of February 2 and 3, 2017, in room 261 of the Irving K. Barber Learning Centre. Three members of the Language Sciences Initiative steering committee – Janet Werker, Bryan Gick, and Bonny Norton – spoke as part of the opening roundtable of the event, which was chaired by Language Sciences Coordinator Jennifer Abel. UBC's Speech and Linguistics Student Association (SALSA), the organizers of the event, have said they would like to make this an annual occurrence. For more information on this event, please visit <https://blogs.ubc.ca/lSURC/>.

7.3 University-wide drive towards cross-faculty undergraduate courses

With the development of the “Living Language: Science and Society” course, Language Sciences has been in the vanguard of the emerging university-wide drive towards offering a range of cross-faculty undergraduate courses. This is a strategic priority of UBC President and Vice-Chancellor Santa Ono, which steering committee members Janet Werker, Bryan Gick, and Sid Fels discussed with him in their initial meeting on September 19, 2016. Language Sciences has had conversations with a number of other stakeholders in this drive, including the Provost’s Office, the Office of the Senate, the Senate Curriculum and Teaching & Learning Committees, the Associate Deans Academic and Curriculum Committees of multiple Faculties, CTLT, and the Centre for Community Engaged Learning.

8. Other

We are currently working with the Office of the VPR to develop a new website format which will allow for better search capabilities for our network of affiliates, as well as creating a more community-friendly ‘hub’ for discussion and knowledge sharing for all the GCRC funded groups.