

NHS Newcastle and North Tyneside
Community Health**Therapy Symposium 2010****at Newcastle University****9 -10 September 2010****Conference Announcement
and second 'Call for Abstracts'**

The Therapy Symposium concentrates on what we as therapists actually do in treatment. It is a unique opportunity to hear about therapy approaches in detail and to take part in lively debate.

New innovative format...

This year a new format will be used to allow more contributions. Choose to present a very detailed one hour presentation which raises lots of points for discussion, an in-depth 50 minute presentation or a shorter 30 minute overview. There will be opportunities for poster presentations as well.

For more information about submitting a paper or poster for presentation at the Symposium, please contact:

Janet Moss at: aphasia@ncl.ac.uk

Deadline for abstract submission is 14th April.

Full Conference Fee: £115, Students Conference Fee: £60

Day rates: £70

To attend the conference, you need to be a member of BAS

(Membership fees £15 by standing order, £20 by cheque, student rate £10)

The social evening on 9th September will be at the 'Piano & Pitcher' a lively Quayside location enjoying great views of Newcastle's bridges. Registration is now open - book your place now! Early bird booking is open until 30th June via the BAS website:

<http://www.bas.org.uk/>

Inside this issue:

- | | | |
|---|---|--|
| 1 BAS Therapy Symposium 2010 call for abstracts | 2 Sheffield Anomia Study Day | 3 Award-winning new Talking Mats resource |
| 4 Research in Progress day – cancelled | 4 Discount on journal titles | 4 Join the BAS committee |
| 6 Contact us | 6 Dublin conference announcement | 7 Funding boost for Connect |
| 8 Student Project Prize Winner reports | 9 BAS student prize announcement 2009/10 | 10 Events Diary |
| 11 Research Round-up | 12 Research spotlight: University College London | |

Department of
Human
Communication
Sciences



The
University
Of
Sheffield.

Are you working in the field of acquired aphasia?

Would you like to hear about recent research into word-finding deficits?

Are you interested in trying out new, evidence-based therapy software for anomia?

Sheffield Anomia Study Day

Thursday 1st July 2010

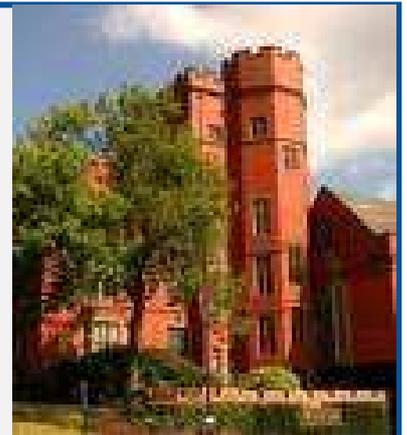
9.30 - 3.00

University of Sheffield

Speakers include Ruth Herbert Emma Jones Dee Webster

Programme:

- update on anomia therapy and research
- presentation of current anomia research from the Department of Human Communication Sciences
- demonstration of and opportunity to try STAR Sheffield Therapy for Anomia Rehabilitation software



Places are free but are limited, and available on a first come, first served basis. Please contact hcs-anomia@lists.shef.ac.uk as soon as possible to book your place. Lunch and refreshments will be provided on the day. Deadline for registration is **Friday 18th June**. For more information visit: www.shef.ac.uk/hcs/anomia or ring Tariq Khwaileh on 07929

262206.

New Award-Winning Talking Mats Resource

A new resource from the Talking Mats Research and Development Centre, University of Stirling, entitled **'To see ourselves as others see us: a resource for comparing perspectives and enhancing understanding within relationships'** was launched in January. Winner of the 2010 'Enhancing Self-care and Independent Living' Advancing Healthcare Award, the resource was developed as part of an ESRC funded research project investigating the impact of aphasia on close relationships. The research found that there were often differences in the views of people with aphasia and their partners which could result in significant misunderstandings. **'To see ourselves as others see us'** was developed to address this issue and to provide a tool for professionals to use when working with clients, and their family or friends.

The World Health Organisation emphasises the need to involve both clients and their families in all aspects of their health and social care (WHO, 2007). For professionals working with people who have difficulty communicating it can

be challenging to meaningfully involve them and their families in the decision-making process and to take into account all points of view. This new Talking Mats resource is a tool for enabling this process. It is specially designed to facilitate discussion between people who have difficulty communicating and their close communication partners with the aim of increasing mutual understanding and aiding decision-making or goal-setting negotiations.

Talking Mats is a framework designed to allow people to express their views on an infinite range of topics whilst providing a structure which supports their comprehension, attention and memory. It involves the user placing symbols on a mat along a visual scale in order to indicate how they feel about a given topic and therefore verbal output is not essential. Feedback from clients who have used a pilot version of the resource reveals that they find it a helpful and non-threatening way to discuss sensitive issues which may otherwise have been overlooked or might have ended in confrontation.

For further details about 'To see ourselves as others see us: a resource for comparing perspectives and enhancing understanding within relationships' or any other Talking Mats resource or training course, see www.talkingmats.com or call 01786 458105.

For more information on the awards ceremony, please see www.chamberlainedunn.com/AHPandHSawards/AHA2010.htm

Morag Place

Research in Progress day cancelled

We regret to inform you that the next research in progress day to be held in Edinburgh has been cancelled until further notice due to a lack of abstract submissions. Research in Progress days are aimed at researchers, clinicians, and students who want to present current research or hear about cutting-edge developments in aphasia research. We aim to keep costs at a minimum, and BAS endeavours to organise events that meet the needs of BAS members. Please do get in touch if you have an idea on a future topic or venue for a Research in Progress day.

Discount on Taylor and Francis titles for BAS members

Don't forget that publishers Taylor and Francis offer exclusive discounts on leading journals for BAS members:

Aphasiology	65% discount	£208	\$346	€275
Cognitive Neuropsychology	50% discount	£183	\$305	€243
Language and Cognitive Processes	50% discount	£176	\$294	€213
Memory	50% discount	£175	\$291	€232

These prices are applicable until the end of the 2010 calendar year. New prices for 2011 will be published in the autumn

An invitation to join the committee

Winter chills are (almost) a thing of the past! Spring, Summer and September are fast approaching! With September comes the 2010 Therapy Symposium in Newcastle...and the AGM!!

In September 2010 some committee members will be standing down completely and others will be standing for re-election.

We are keen to see new members joining the committee, so if you would welcome this opportunity, or if you have a colleague who needs a nudge in this direction, then we would be delighted to hear from you. We are interested in attracting nominees at any stage of their career- this is a fantastic opportunity to acquire new skills as well as a chance to influence the development and direction of BAS. You will see from the nominations form overleaf that we are particularly looking to recruit to certain posts, and we are therefore asking nominees to specifically identify which post they would be willing to take on.

The posts which are "up-for-grabs" include: **Research in Progress Coordinator** **Publicity Officer**

If you would like more information on either of these posts, you can either contact the current post holder for an informal discussion via the BAS website (www.bas.org.uk), or see contact details in the back of the newsletter), or contact Paul Conroy (publicity@bas.org.uk) who can let you have a "job description".

We look forward to hearing from you!

An opportunity to join the BAS committee



British Aphasiology Society

The British Aphasiology Society exists to foster the development of the study of aphasia: encouraging the dissemination of knowledge about aphasia and its treatment, and promoting the interests of people with aphasia.

BAS will be holding its Annual General Meeting in September 2010, during the BAS Therapy Symposium in Edinburgh. One purpose of the AGM is to appoint new Committee Members. The BAS Committee ensures that the organisation is meeting its aims and acting within its constitution. It is responsible for managing BAS's finances, developing the programme of events, managing special schemes such as the Essay/ Project prizes and the Conference Support Fund, and generating and disseminating publications (including the newsletter). The committee meets approximately 3 times a year.

This year some of the current committee members will be stepping down and one member will be standing for re-election in her current post as Newsletter Editor.

We are now seeking nominations for new committee members. Nominations are sought from the variety of disciplines associated with the study of aphasia (including psychology, speech and language therapy, anthropology, sociology, linguistics etc), from both clinical as well as research personnel, so as to maintain the balance between these fields. If you wish to nominate someone please use the form below. Nominators, seconds and nominees must be BAS members. Nominations must be received by the BAS Secretary by Friday, 11th June 2010.

 I wish to nominate.....as a BAS Committee member

Name of Nominator:.....

Signature:.....

Name of Seconder:.....

Signature:.....

I confirm that I am willing to stand for the BAS Committee in one of the following roles:
 (please tick which of the roles which you would be willing to take on)

- Research in Progress Coordinator
- Publicity Officer

Signature of Nominee:

Address and contact telephone number of Nominee:

- *Please return to: Fiona Stewart, BAS Secretary at Community Stroke Rehabilitation Team, Trust Headquarters, Sunderland Royal Hospital, Kayll Road, Sunderland, SR4 7TP*

Contact Us

Frauke Buerk

Chair

Tel. 0191 229 5848

chair@bas.org.uk

Janet Webster

Treasurer

Tel. 0191 222 5235

treasurer@bas.org.uk

Fiona Stewart

Secretary

Tel. 0191 569 9009

secretary@bas.org.uk

Clare Telford

Membership Secretary

Tel. 0131 537 9576

clare.telford@nhs.net

Paul Conroy

Publicity Officer

0161 306 0443

paul.conroy@manchester.ac.uk

Catherine Hodgson

Website Co-ordinator

website@bas.org.uk

Heather Waldron

Student Prize Coordinator

Tel. 0191 569 9009

prizes@bas.org.uk

Claire Gatehouse

Therapy Symposium Coordinator

therapy-symposium@bas.org.uk

Suzanne Beeke

Conference Support Fund Officer

Conference-support-

fund@bas.org.uk

Emma Eaton

BASics Officer

Tel. 01346 585 250

basics@bas.org.uk

Dianne Webster

Newsletter Editor

Tel. 0114 226 2373

newsletter@bas.org.uk

Christos Salis

Vice-chair / R-i-P Coordinator

Tel. 0118 378 7467

Research-in-progress@bas.org.uk

Melanie Derbyshire

Speakability Representative

Tel. 020 7261 9572

melanie@speakability.org.uk

Communicating after stroke: International transdisciplinary symposium on the diagnosis and rehabilitation of communication disorders post stroke

Mater Misericordiae University Hospital, Dublin

May 6th & 7th 2010

Cost: €150

Speakers include:

Prof. David Howard, University of Newcastle

Prof. Peter Kelly, Mater Hospital, Dublin

Prof. Richard Peach, Rush University Medical Centre, Chicago

Prof. Cathy Price, University College London

Prof. Ian Robertson, Trinity College Institute of Neuroscience

Prof. Richard Wise, Imperial College London

Prof. Sue Franklin, University of Limerick

Enquiries/bookings: sltsec@mater.ie

Connect's Access to Life project gets important funding boost



The Tavistock Trust for Aphasia and the Charles Wolfson Charitable Trust have granted **Connect – the communication disability network £430,000 for the second phase of their Access to Life project** which is a strategic part of Connect's work in supporting people living with aphasia.

This grant will help the organisation promote and develop Connect services across England, giving people living with aphasia the opportunity to "access the support they need to reconnect with life". These services meet many of the 'Life after Stroke' quality markers identified in The National Stroke Strategy.

Connect led the successful three year pilot Access to Life Project in Cornwall. By partnering with people living with aphasia, local NHS trusts, speech and language therapy departments, the Directorate of Social Care and with input from other voluntary and charitable organisations, the 'Access to Life' model has developed a range of peer-led services to support people living with aphasia. The pilot's success has led to the joint commissioning of the services by Cornwall County Council and the Cornwall and Scilly Isles NHS Trust for a further two years.

This project is the blueprint for the extension of services country-wide that will be supported by the grant.

These services centre on people living with aphasia using their knowledge and experience to support others with aphasia.

Key to the success of this project is that people with aphasia are supported to deliver and develop services themselves. These include services such as conversation groups which help to increase confidence and self esteem. Also, important hospital and home befriending services, which give much-needed emotional and practical support to people with aphasia and their families.



Connect will work to ensure that Local Authorities and NHS trusts across England are aware of the benefits of the Access to Life programme and will seek to provide on a commissioned basis these much-needed services to support the many thousands of people living with aphasia to reconnect with life.

To find out more about how Connect services can help in your area call David Williams, Director of Business Development on 020 7367 0870. For more information on the work of **Connect** visit www.ukconnect.org, and for further information about The **Tavistock Trust for Aphasia**, please go to www.aphasiatavistocktrust.org

In the last newsletter we announced the winner and runner-up of the 2008/09 Project Prize.

In this edition, winner **Nicola McGreal** and runner-up **Fiona Johnson** report on their projects:

BAS Student Project Prize Winner 2008-2009: Nicola McGreal from Newcastle University:

Fairytales, contemporary narratives and picture sequences: Do they tell us the same things in aphasia?

The quantification of narrative discourse in aphasia has been addressed through the development of methods for analysing the Cinderella narrative. Cinderella remains, however, a source of contention amongst clinicians concerned that it may not be appropriate for an adult population, and that it may be replaced with alternative assessments. Which task to use is further hindered by the lack of comparative data across contexts and data on non-aphasic performance.

This study investigated the performance of five people with aphasia and 20 control subjects when re-telling Cinderella and describing pictorial sequences. Narratives were analysed across macro- and micro-structural parameters. Control subjects were also assessed on a contemporary narrative, the story of Princess Diana, to explore patterns in alternative narratives.

All samples obtained from these participants were analysed according to thematic complexity, measurement of key events, cohesive devices and verb complexity. It was found that participants with aphasia performed below the control subjects on thematic and narrative parameters. Differences were seen across tasks in both the control and experimental groups, e.g. all participants expressed more ideas when describing pictorial sequences, highlighting the scaffolding influence seen in picture based tasks.

In conclusion, there is a relationship between what the three task formats tell us about aphasia. However, importantly they also reveal different information as the demands they place on the speaker vary.

BAS Student Project Prize runner up 2008-2009: Fiona Johnson from University College London:

Reconsidering Formulaic Expressions in Aphasia

Previous research into the appearance of formulaic speech in non fluent aphasia has tended to focus on its implications for developing our understanding of the way in which the brain organises and processes language (Code 1997; 2005; Van Lancker Sidtis 2004). There has been little investigation into their usage by aphasic speakers in real life contexts, and researchers have tended to assume that their interactional value is limited (Code 2005).

Using the techniques of Conversation Analysis to examine the appearance of formulaic expressions within the interactions of a non fluent, agrammatic aphasic speaker, we learn that these expressions are used in a way that is sensitive and highly relevant to the preceding conversational context, and furthermore that they are treated as meaningful communicative actions by the speaker and his conversation partners. The range of functions performed includes both goal oriented actions such as requests and questions, and also social actions such as joking, commenting and reminiscing. For this individual, formulaic speech forms an effective part of his communicative repertoire.

These observations suggest that formulaic speech in aphasia may have a greater interactional value than previously considered. In clinical settings, traditional language assessments are unlikely to highlight the social potential of this intact behaviour and it may be overlooked as a valuable component of an individual's communication. Observing how effectively individuals with aphasia are using formulaic speech within social interactions may therefore be considered a beneficial part of the assessment process.



British Aphasiology Society

British Aphasiology Society Student Prizes 2009/10

The British Aphasiology Society invites entries for the Student Project Prize and Student Essay Prize.

The BAS Student Project Prize: £200 will be awarded for the best student project on any topic relating to acquired aphasia. The project or dissertation should have been submitted as part of the normal examination procedure in the final year of an undergraduate or postgraduate course (masters level). The prize will be divided equally between the winning student and his/her educational establishment.

The BAS Student Essay Prize: £100 will be awarded for the best essay on any topic relating to acquired aphasia. Entrants should be undergraduate or postgraduate students (masters level). The prize will be divided on the basis of £75 to the winning student and £25 to his/her educational establishment.

Closing date for both prizes: Friday 23rd July 2010

Guidelines for the student prizes are available on the BAS web page (www.bas.org.uk) or contact:

Heather Waldron (B.A.S. Student Prize Co-ordinator)

Speech and Language Therapy Department

Chester Wing

Sunderland Royal Hospital

Kayll Road

Sunderland

SR4 7TP

Tel: 0191 5699009

e-mail: prizes@bas.org.uk

Events Diary

9th April 2010 – THIS EVENT HAS BEEN CANCELLED

BAS Research in Progress Day

Queen Margaret University, Edinburgh

6th – 7th May 2010

Communicating after stroke: International transdisciplinary symposium on the diagnosis and rehabilitation of communication disorders post stroke Mater Misericordiae University Hospital, Dublin.

Enquiries/Bookings: sltsec@mater.ie

27th-29th June 2010

14th International Aphasia Rehabilitation Conference

Montreal, Canada see www.iarc2010.org for more details

1st July 2010

Anomia Study Day

University of Sheffield. See www.shef.ac.uk/hcs/anomia for more details

Check website for updates

9th-10th September 2010

BAS Therapy Symposium

Newcastle University. Contact aphasia@ncl.ac.uk for more details

Check website for updates

5th-7th September 2011

BAS Biennial International Conference

Reading University

Check website for updates

Tell us what you think!

Have you been to a recent aphasia conference that you would like to tell us about?

Would you like to feature your institution in the 'research spotlight'?

Would you like to publicise an aphasia study group?

Please tell us if there is anything you would like to contribute to the BAS newsletter, or if you have any ideas on what you would like future editions to include.

Contact: newsletter@bas.org.uk

I look forward to hearing from you!

Can you help?

Dear colleagues:

I do not (yet) follow the field of aphasiology or neurolinguistics in any detail - I am a linguist working on African languages; Bantu languages outside South Africa in particular. I do lexical, grammatical and sociohistorical research.

I am writing to inquire on work being done, how much & where, on aphasia in Bantu languages, or other African languages? Is it (already) a subfield of specialisation within aphasiology? Are there any specialists you could refer me to; or any books, conferences, or special journal volumes on the matter?

I would like to submerge myself in the existing knowledge of aphasia in Bantu & African languages with the purpose eventually to incorporate the topic into my teachings (and who knows, in the long run, into my research as well).

Any help or information would be much appreciated,
Michael Meeuwis
Professor, Department of African Languages and Cultures, Ghent University, Rozier 44, B - 9000 Ghent, Belgium, Tel.: +32 9 264 3808; Fax: +32 9 264 9595 Bibliography:

<https://biblio.ugent.be/person/801001653606>

Visit the



website:

www.bas.org.uk

Research Round-Up

Emma Eaton

Gains in picture naming reflected in connected speech

This study seeks to explore whether gains in picture naming through therapy predict gains in connected speech, whether there is a difference between carryover effects for nouns and verbs, and whether the speed with which pictures are named predicts success in producing these items in connected speech. Seven participants took part in picture naming therapy. The target word sets included nouns and verbs produced by control participants in connected speech tasks. There was a significant improvement in picture naming, a smaller improvement on production in picture-supported narratives and a smaller still improvement in unsupported narratives. Picture naming accuracy predicted successful production in connected speech, but speed of production in picture naming did not. Finally, verbs were found to be as likely as nouns to generalise to connected speech.

Conroy, P., Sage, K., Lambon Ralph, M. (2009): Improved vocabulary production after naming therapy in aphasia: can gains in picture naming generalise to connected speech? *International Journal of Language and Communication Disorders* 44 (6), 1036-1062

Gesture therapy

Previous studies have found that people with aphasia are able to learn communicative gestures, but there is disagreement about whether these can generalise to untrained items. 25 people with aphasia participated in therapy involving 24 gestures. Therapy sessions, either individual or group, involved helping participants to understand the communicative functions of the gestures and training them on spatial precision. The 9 participants who completed the therapy improved on the trained items, but there was more limited evidence of improvement on untrained items. The authors conclude that therapy should focus on gestures with the most ecological value.

Daumüller, M., Goldenberg, G. (2010): Therapy to improve gestural expression in aphasia: a controlled clinical trial. *Clinical Rehabilitation* 24, 55-65

Research Spotlight: University College London

In January 2008, UCL's Human Communication Science (HCS), Phonetics and Linguistics, and Psychology departments became the Division of Psychology and Language Sciences. Within this grouping several new research departments were formed, including Language and Communication, Developmental Science, Linguistics, and Speech, Hearing and Phonetic Sciences; these are home to the staff of the old HCS and are all located in Chandler House, newly refurbished in 2008. UCL's Speech and Language Therapy (SLT) courses (BSc Speech Sciences, MSc Speech and Language Sciences) sit at a divisional level, straddling the various research departments that contribute to their management and delivery (www.ucl.ac.uk/slt/).

Aphasia research is alive and well within the Research Department of Language and Communication (www.ucl.ac.uk/psychlangsci/research/langcomm).

The department aims to apply basic science in speech and language processing, social interaction, cognition and vocal tract anatomy and physiology to explore language, communication, swallowing and voice disorders such as aphasia, dysarthria, dyspraxia, dementia and dysphagia, as well as the processes of communication in a typically ageing population.



There are currently 13 academic staff (including 1 postdoctoral research fellow and 3 teaching fellows), 2 research assistants and 5 PhD students. One of our key goals is to develop new rehabilitative techniques and assessment materials, ultimately for use by speech and language therapists in clinical practice. To achieve this, we carry out collaborative research for and with health care practitioners and adults with communication difficulties and their families. We share our work via special clinical interest groups, practitioner conferences, and professional publications, and by teaching and supervising the speech and language therapists of the future.

Research Spotlight: University College London – continued...

We make use of several key methodologies and theoretical approaches including cognitive neuropsychology, neuroimaging and qualitative methods such as Conversation Analysis (CA). Some major themes of our current aphasia research include:

- Interaction in aphasia and dysarthria
- Novel linguistic and cognitive neuropsychological treatments for aphasia
- Neuroimaging as a bio-marker of recovery and SLT treatment in aphasia

We have a strong commitment to collaborative research with speech and language therapy practitioners, and maintain these and other academic links via the Centre for Speech and Language Therapy Research (www.ucl.ac.uk/clh/). We also host the Centre for Applied Interaction Research (www.ucl.ac.uk/cair/), a forum for people focused on face-to-face interaction research, particularly with reference to communication development and disorder.

The Chandler House Communication Clinic, managed by **Carolyn Bruce** (the director) and **Fiona Newman**, provides rehabilitation for adults with communication disorders acquired after stroke and head injury, and clinical work placements for students on the MSc Speech and Language Sciences course. It also supports the aphasia research of **Carolyn** and **Anne Edmundson**, who are currently exploring the use of speech recognition software packages as aids to literacy in clients with acquired literacy difficulties. **Anne** is also collaborating with **Nicole Charles**, our latest recruit, and Jacqueline McIntosh (Wolfson Rehabilitation Centre, where Nicole also works) to research post-stroke cognitive communication disorders.



Carol Sacchett's research currently has two strands: enhancing event processing and communication in aphasia through drawing; and access to information for people with aphasia at different stages of their recovery, the latter in collaboration with clinicians at the National Hospital for Neurology and Neurosurgery, and UCLH.

Suzanne Beeke, Wendy Best, Jane Maxim, and Firlle Cooper, in collaboration with Susan Edwards (Reading University), are 2 years into a 3 year Stroke Association funded project to design and evaluate a novel conversation-focused therapy for agrammatic aphasia. This involves adapting the SPPARC therapy programme to include an explicit focus on the effects of agrammatism on conversation, and to teach conversation strategies to the person with

Research Spotlight: University College London – continued...

aphasia directly (as well as to the conversation partner). As part of the project we are developing a quantitative method for measuring change over time in aphasic conversation. See www.ucl.ac.uk/conversation-therapy/. As a spin-off, we are collecting pilot data for a pioneering attempt to image the results of a conversation-based intervention, with our colleagues Cathy Price and Jenny Crinion from the Wellcome Trust Centre for Neuroimaging at UCL.

Wendy Best carries out investigations of and therapy for speech and language difficulties in both children and adults. Her current aphasia projects focus on word-finding, gesture, auditory comprehension and conversation. As director of the Centre for Speech and Language Therapy Research (www.ucl.ac.uk/clh/), she facilitates links between research and clinical practice. Wendy is co-director of the Professional Doctorate in SLT, designed to allow speech and language therapists to continue to work in the NHS or education sectors whilst carrying out doctoral level research (www.ucl.ac.uk/lifesciences-faculty/research-programmes/speech-language-therapy).

We don't just do aphasia research of course. **Christina Smith's** expertise lies in normal swallowing and dysphagia. She is currently quantifying normal variation in

stages comprising the typical swallow in healthy individuals, and has an interest in the efficacy of neuromuscular electrical stimulation as a treatment for dysphagia. She is also in the process of setting up a dysphagia research forum at UCL. **Steven Bloch** is currently funded by the National Institute for Health Research on a 4 year post-doctoral research fellowship to explore the impact of progressive neurological speech disorders on interaction. **Lesley Cavalli** carries out research into voice, head and neck cancer and swallowing difficulties, and is also a specialist speech and language therapist at Great Ormond Street Hospital. And **Suzanne**, along with colleagues in Developmental Science and UCL Library Services, is involved in the development of CAVA, a digital human Communication Audio-Visual Archive, to permit the secure storage, preservation and re-use of the kind of audio-visual data that is crucial to aphasia research (see www.ucl.ac.uk/lis/cava/index.shtml).

We are always interested to develop new links with clinicians in practice, and with other researchers. Please feel free to contact us to chat about potential research collaborations (www.ucl.ac.uk/psychlangsci/staff/langcomm-staff), including study for a Professional Doctorate (see link above) or a PhD.

Suzanne Beeke

Head of the Research Department of Language and Communication at University College London
BAS Conference Support Fund Officer