# Presenting a poster

# **12** a In pairs, answer the following questions.

- 1 Have you ever attended a conference poster presentation session? If so, did you speak with any presenters?
- 2 Have you ever prepared and presented a poster at a conference? If so, did anyone ask you questions about your research?
- 3 What do you think the key features of a good poster are? Make a list.



**b** Complete the advice below about preparing a poster using the words in the box.

abstract colours columns contact font heading number sentences simple text title white space

# **General points**

- Give your poster a (1) \_\_\_\_\_\_ which summarises the main idea.
- Keep your poster focused and (2) \_\_\_\_\_\_ so someone can understand the key points without any extra explanation.
- Remember that a poster is a summary of your work so it's not usually necessary to include an (3) \_\_\_\_\_\_.
- Don't forget to include your name and (4) \_\_\_\_\_ information.

# The look of your poster

- Arrange information in (5) \_\_\_\_\_
- Give each section of your poster a clear (7) \_\_\_\_\_\_ in large type.
- (8) \_\_\_\_\_ each section to guide readers through your poster.
- Leave plenty of (9) \_\_\_\_\_\_ around each section to make them stand out more easily.

# The text in your poster

- Use phrases rather than full (10) \_\_\_\_\_\_.
- Try to keep phrases short.
- Choose a (11) \_\_\_\_\_ size which makes the text easy to read from a distance of 1–2 metres.
- Use different (12) \_\_\_\_\_\_ for different kinds of information in the poster – but remember to use them consistently.

**C** You are going to see two examples of conference posters and decide how well they have been designed. Do not try to read the text on the posters, but look at each one for just five seconds and think about how it looks. Then in pairs, answer questions 1–3 on your first impressions. For poster A, turn to page 89. For poster B, turn to page 90.

- 1 Were the posters well organised?
- 2 Was there space around the sections?
- 3 Could you see the title and section headings easily?

## Which poster do you think was more successful? Why?

### Unit 10 Presenting research at a conference

# ERP measures of material specificity for crossmodal relational memory

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Methods

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#### The issue

- Unilateral brain disorders can show material specificity on memory testing:
- verbally-mediated testing reliably assesses left hemisphere (LH) memory problems
- "nonverbal" testing assesses right hemisphere (RH) memory problems
- BUT : nonverbal findings are not reliable, posing problems for neuropsychologists, neurosurgeons, and ultimately, patients

## Specific problems

Conceptually:

- · what counts as nonverbal test material?
- · designs, faces most commonly used

#### Methodologically:

- nonverbal tests can be verbalised
- verbal/nonverbal tests are not matched
- known vs novel content
- auditory vs visual mode of presentation
- recall vs recognition mode of response

# Specific solutions?

- Conceptually : appeal to cognitive models
- RH: spatial location, melodic contour
- LH: orthographic/phonological processing

#### Methodologically:

- use nonverbal materials which can't be verbalised; use verbal materials which aren't imageable
- match verbal/nonverbal subtests
- make all items novel
- use both visual and auditory modes
- use Yes/No recognition responses only





#### ition item foils : highly similar; relational memory foils : rematched pairings

# Temporal analyses

N1 responses : verbal-nonverbal differences only at bilateral parietal sites (P7, P8) Material specificity : LH responses larger for nonwords. RH responses larger for dots





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# Spectral analyses

Gamma (35-45 Hz) activation for crossmodal pairings showed *material specificity*: LH activation larger for nonword-nonword pairs, HH responses larger (trend) for dots-tune pairs

#### Verbal nonword-nonword pairs



#### Nonverbal dots-tune pairs



# Conclusions

- ERPs showed material specificity in recognition memory for both verbal and nonverbal materials, matched for novelty, presentation modality, and testing mode
- Singleton and relational paradigms both show material specificity
- Clinical memory tests should contain wellmatched verbal and nonverbal subtests; nonverbal subtests could usefully incorporate spatial patterns and melodic stimuli

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Additional materia



# 2 C Poster A



12 c Poster B



# Pitcher plants use various structures to capture prey

Nepenthes pitchers are highly specialised leaves to attract, capture, retain and digest arthropod prey. Specialised trapping structures include a viscoelastic digestive fluid, slippery wax crystals and downwardpointing cells on the inner pitcher wall, and the pitcher rim (peristome) which causes insects to 'aquaplane' when it is wet. We investigated the relevance of individual structures in the field by comparing two forms of N. rafflesiana with different combinations of pitcher traits. Different combinations of trapping structures in 2 forms of *N. rafflesiana* 



slippery peristome wax crystals downward-pointing cells viscoelastic fluid



# Peristome and wax crystals are relevant for natural prey capture



# Rain and air humidity cause strong variations of capture efficiency

