tips for ENGAGING GIRLS at NanoDays

Exploring Tools—Transmission Electron Microscopes

FEATURE FEMALE ROLE MODELS

• Tell visitors about **Pratibha Gai**, a prominent female scientist using electron microscopy to develop nanomaterials to help aid pollution control, further medicine, and harvest clean energy. If possible, print a photo of Gai to show as you tell visitors about her work. To learn more about Gai and her research, visit **www.discov-her.com/en/article/the-microscope-that-takes-science-further**

ENGAGE THE SENSES

• **Print out pictures** taken from real transmission electron microscopes so visitors can see what common objects like sand or plants look like up close. Have visitors guess what they are looking at before you tell them what it is.

Plan ahead: You can use the images from the 2012 NanoDays activity "What am I?". A printable version of the cards for this activity can be found here: **www.nisenet.org/catalog/programs/what_am_i_nanodays_2012**

MAKE IT SOCIAL

• Find a partner. You both should **create an object out of play dough** without your partner seeing what it is. Now take turns placing each object under the imaging tube and see if you can guess what it is! Rotate the object at different angles so your partner can get the most information. (You may want pencil and paper nearby so your partner can sketch the shapes they see each time.)