

Correction

In the article “Functional Organization of Visual Cortex in the Owl Monkey,” by Xiangmin Xu, William Bosking, Gyula Sáry, James Stefansic, Daniel Shima, and Vivien Casagrande, which

appeared on pages 6237–6247 of the July 14, 2004 issue, Figure 2*C,D* inadvertently printed as identical panels. The correct version of Figure 2 is printed below.

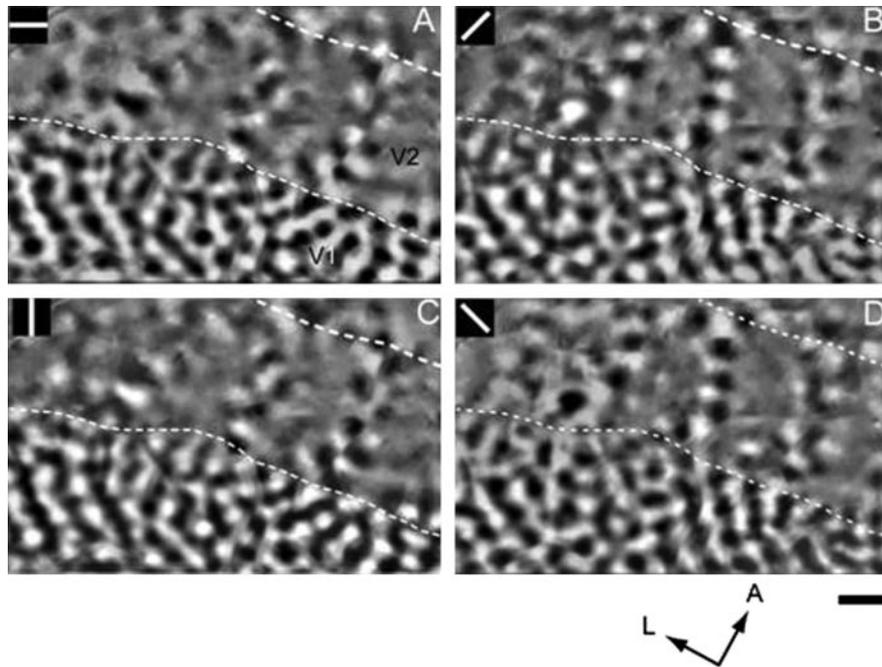


Figure 2. Orientation difference maps of V1 and V2. Four orientation difference maps from the same case shown in Figure 1 are as follows: *A*, 0/90°; *B*, 45/135°; *C*, 90/0°; *D*, 135/45°. The data were obtained from full field rectangular gratings (duty cycle, 0.2; spatial frequency, 0.5 cycles/degree; temporal frequency, 2 Hz). The thin and thick dashed lines delineate the V1/V2 and V2/V3 borders, respectively. Note that orientation preference is represented continuously throughout V1 but in a series of alternating bands of high and low selectivity within V2 and V3. See Results for details. A, Anterior; L, lateral. Scale bar, 1 mm.

In Figure 5, it should be noted that *A* and *B* and *C–F* are from two different cases. Figure 5, *A* and *B*, simply shows an example of how data were aligned. The gray levels in Figure 5*D* were adjusted to enhance contrast. The image was then bandpass filtered,

thresholded, and posterized into three gray levels: dark (CO-blob proper), white (CO-interblob proper), and gray (border area). The scale bar (1 mm) for Figure 5*A,B* was inadvertently missing in the printed version. An updated version of Figure 5 is printed below.

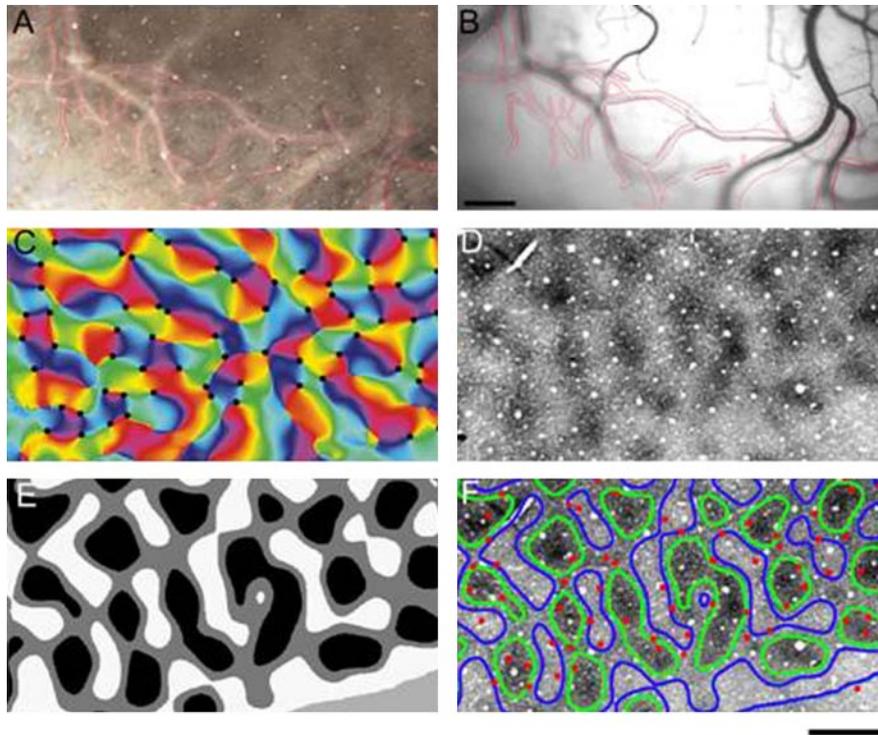


Figure 5. The relationship between pinwheels, CO blobs, and interblobs in V1. *A* shows a histological section with superficial blood vessel contours traced in red. *B* is the optical reference image with the overlay of the superficial blood vessel patterns (red contours) shown in *A*. *C* is an orientation preference map with pinwheel centers identified (black dots) from the image area. *D* is a CO section from the imaged area. *E* is taken from a CO section in *D* in which the image was thresholded into three zones on the basis of CO density, dark CO-blob centers, gray CO-blob border regions, and light CO-interblobs. *F* is the CO section with contour plots transferred from *E* with pinwheel center locations from *C* indicated (red dots). Green contours encircle CO blobs, blue contours encompass CO interblobs, and border areas lie between the two colors. In the area analyzed, the pinwheel density was 8.65/mm² for CO blobs, 7.4/mm² for interblobs, and 7.95/mm² for border areas. The distributions do not differ significantly ($p = 0.54$; χ^2 analysis). Scale bar, 1 mm.