



**Figure 5:** Effect of PA treatment on reactive oxygen species metabolism. **(a)** Percentage of droplets in which DAB staining showed ROS accumulation at one, three, six and 24 hours post treatment. Treatments with different letters are significantly different ( $P < 0.05$ ). Error bars indicate the standard error of the mean.  $N = 10$  (ten leaflets per treatment, each with three droplets). **(b)** Peroxidase activity in shoot and root samples of tomato seedlings harvested 14 days after emergence (24 hours after the second PA treatment) and treated with PA or a corresponding control. Error bars indicate the standard error of the mean. ( $N = 6$ ) **(c)** Representative images of PA-treated, DAB-stained leaflets from the experiment shown in Figure 4a. The white arrow shows the location where the PA droplet was applied.