In [8]:

```
from keras.preprocessing.image import ImageDataGenerator, array_to_img, img_to_a

datagen = ImageDataGenerator(
        rotation_range=40,
        width_shift_range=0.2,
        height_shift_range=0.2,
        shear_range=0.2,
        zoom_range=0.2,
        horizontal_flip=True,
        fill_mode='wrap')
```

In [9]:

```
img = load_img("/Users/myyntiimac/Desktop/squirl.jpeg")
img
```

Out[9]:

In [10]:

```
x = img_to_array(img)  # this is a Numpy array with shape (3, 150, 150)
x = x.reshape((1,) + x.shape)  # this is a Numpy array with shape (1, 3, 150, 15

# the .flow() command below generates batches of randomly transformed images
# and saves the results to the `preview/` directory
i = 0
for batch in datagen.flow(x, batch_size=1,
                          save_to_dir="/Users/myyntiimac/Desktop/Data argumentat
    i += 1
    if i > 25:
        break  # otherwise the generator would loop indefinitely
```

In [ ]:

```

```