```
import cv2
import numpy as np
# Load the original color image
image = cv2.imread(r"C:\Users\SAIL\Downloads\CV\rainflower.jpg")
if image is None:
     print("Error: Image not found or path is incorrect.")
     exit()
# Define kernel
kernel = np.ones((5, 5), np.uint8)
# Split the image into color channels
b, g, r = cv2.split(image)
# Apply Opening to each channel
b_opened = cv2.morphologyEx(b, cv2.MORPH_OPEN, kernel)
g_opened = cv2.morphologyEx(g, cv2.MORPH_OPEN, kernel)
r_opened = cv2.morphologyEx(r, cv2.MORPH_OPEN, kernel)
# Merge back the channels
opened_color = cv2.merge((b_opened, g_opened, r_opened))
# Display results
cv2.imshow('Original', image)
cv2.imshow('Opened (Color)', opened_color)
```

cv2.waitKey(0)

cv2.destroyAllWindows()

