BERRIQI

Anagenix and the Bioeconomy Science Institute presents:

BerriQi

Harnessing Whole Fruit Powder to Innovate the Next Generation of Respiratory Health Product

BerriQi®

BERRIQI

The Hidden Toll: Cold, Flu & Pollution in Numbers

Respiratory challenges impact lives globally. Their combined threat extends beyond discomfort to measurable societal costs.

1B

Annual Infections

Common cold cases worldwide each year, with influenza adding 5-10% more.

3rd

Leading cause of death

Chronic respiratory diseases, 454M people affected

2-4/6-10

Colds per year

Adults/Children

90%

Population

Lives in and breathes unhealthy air. 7M pollution deaths per year

BerriQi®

BerriQi®

For Respiratory Immune Balance & Lung Recovery

1. Reduces respiratory symptoms

2. Prevents & reduces respiratory inflammation

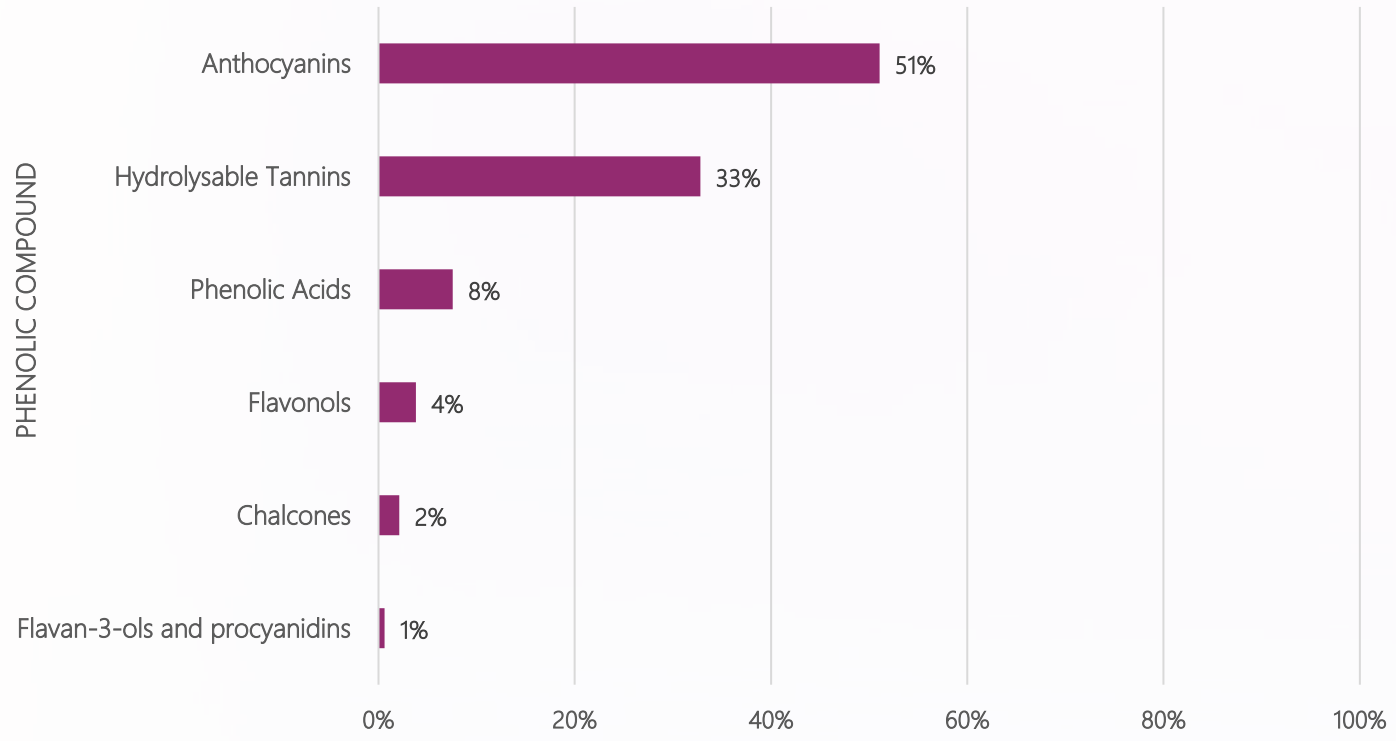
3. Prevents & reduces lung damage from stressors such as

    - Asthma
    - Pollution
    - Recent infections
    - Chronic lung conditions
    - High intensity exercise

BerriQi®

PAQ+ found only in BerriQi

POLYPHENOL COMPOSITION OF BERRIQI®



Unique **ratio** of boysenberry to apple gives

Guaranteed

20%

PAQ™+

Comprising of

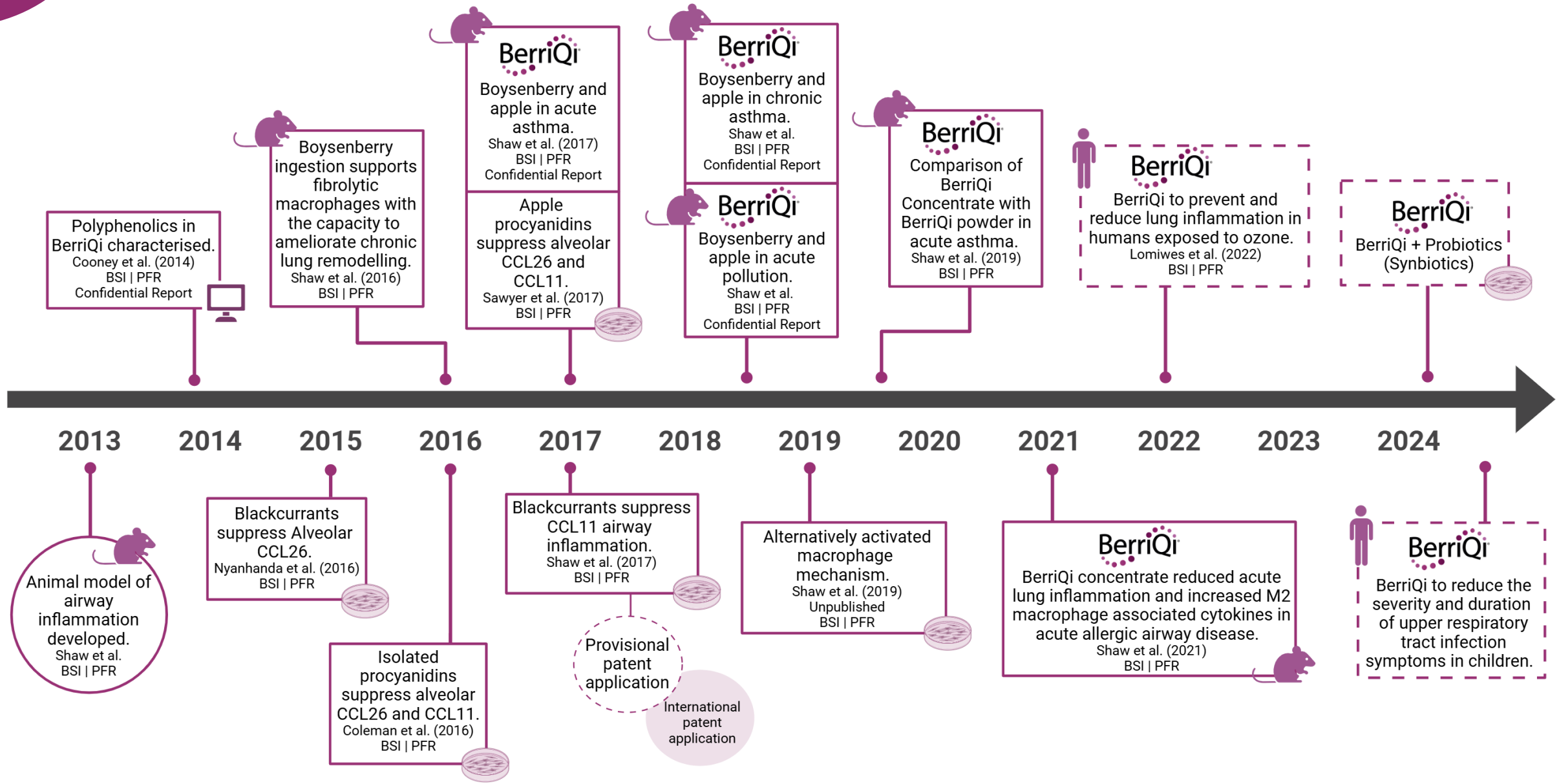
- Procyanindins
- Anthocyanins
- Quercetin

PAQ+ Phytonutrient complex of bioactives responsible for the beneficial properties of BerriQi

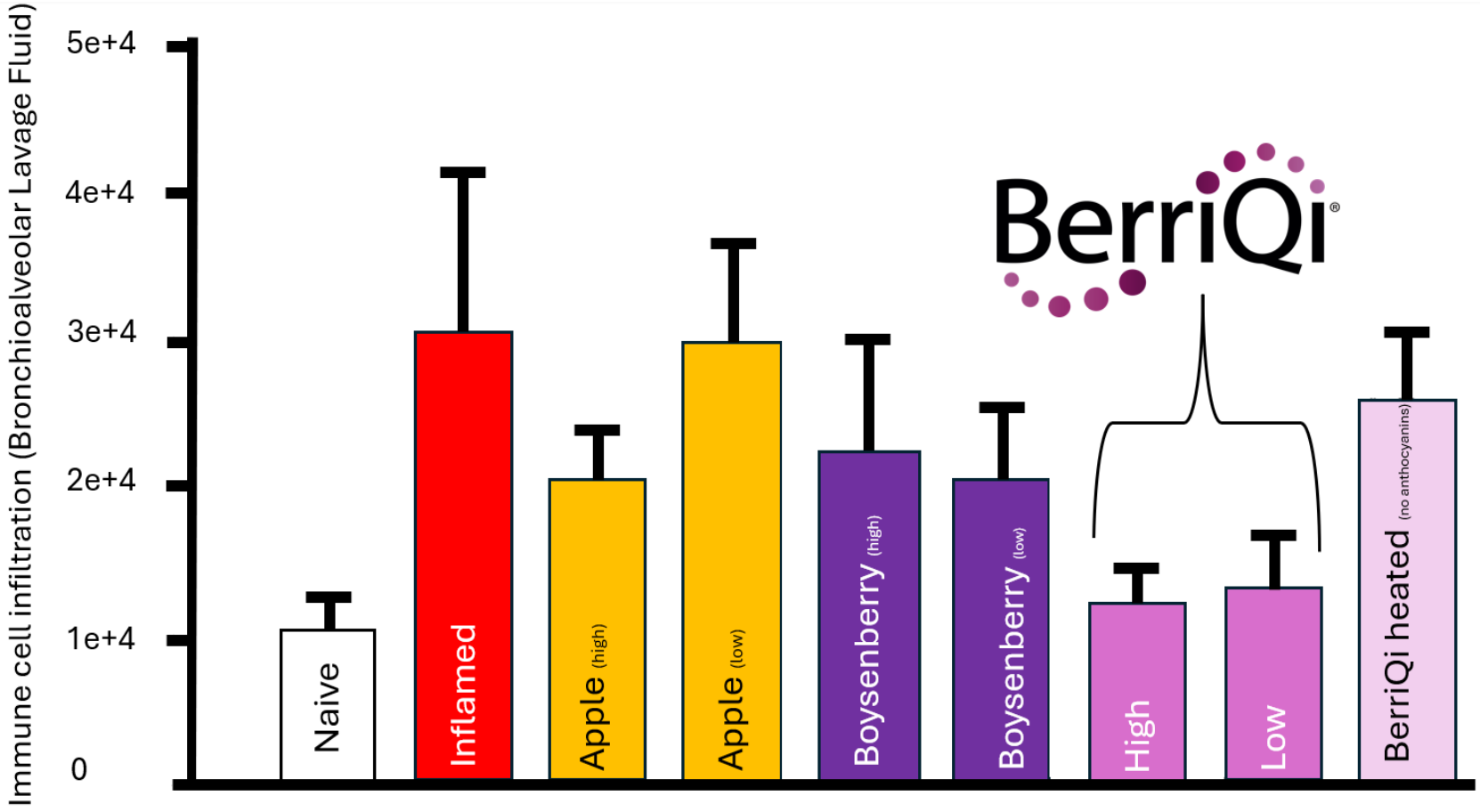
Summary Composition of Polyphenols

BerriQi®

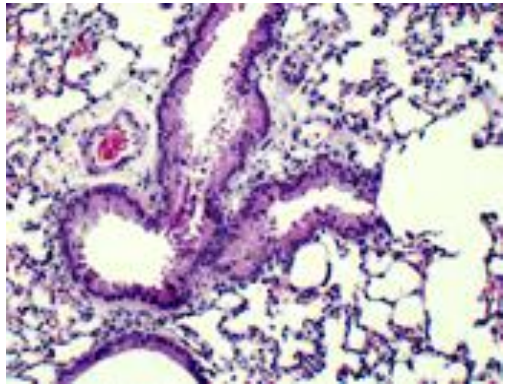
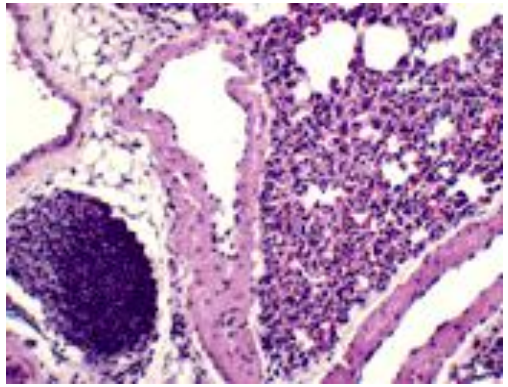
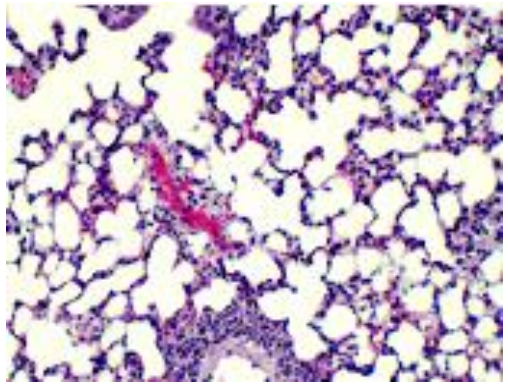
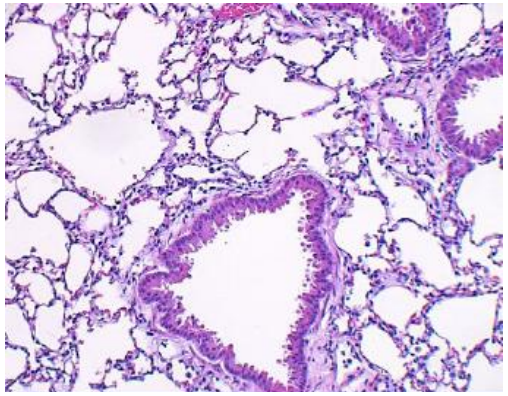
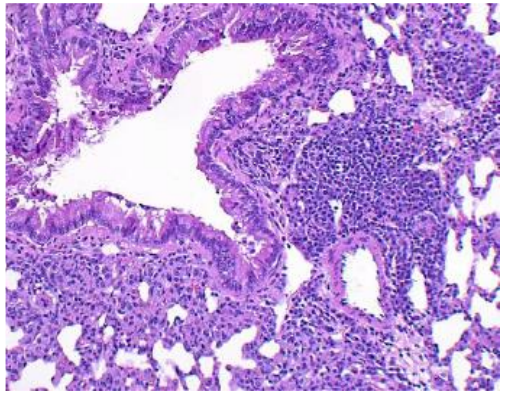
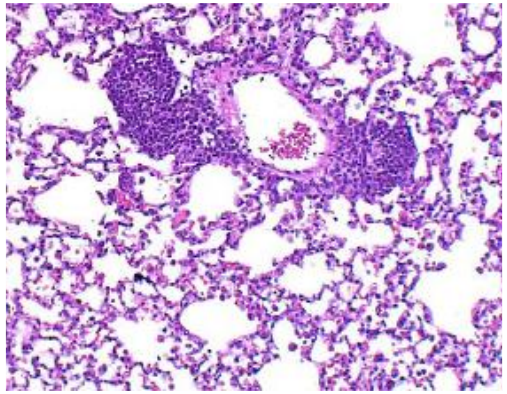
BERRIQI



Synergistic combination of Boysenberry and apple is more effective than either alone at reducing lung inflammation



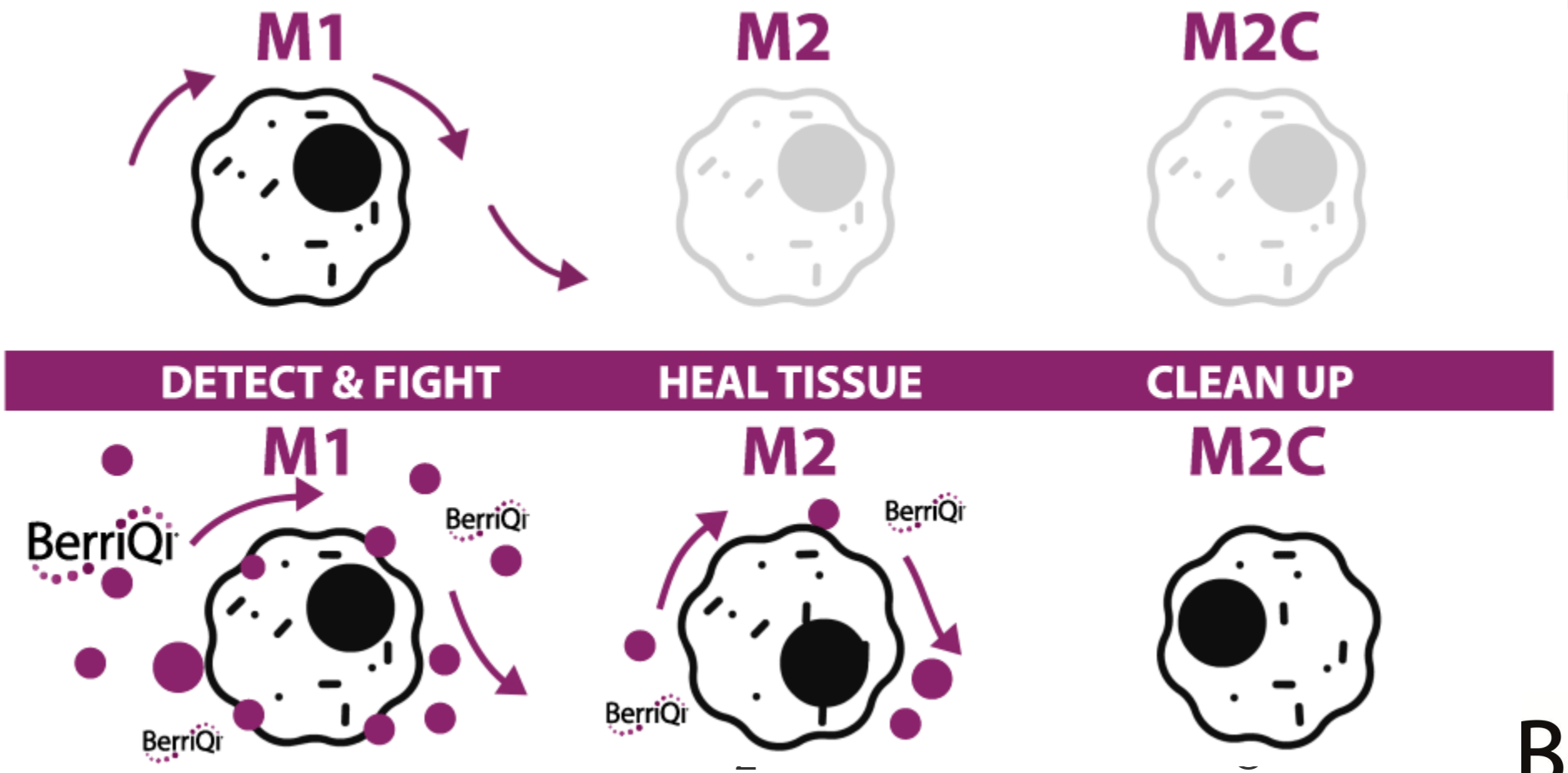
BerriQi® reduces inflammation in lungs

	Normal Lung Tissue	Activated Immune System	+ BerriQi® treatment
Acute Inflammation			
Chronic Inflammation			

Reduced immune cell infiltration into the lung

Shaw, O. M., Hurst, R. D., & Harper, J. L. (2016). Boysenberry ingestion supports fibrolytic macrophages with the capacity to ameliorate chronic lung remodeling. *American Journal of Physiology-Lung Cellular and Molecular Physiology*, 311(3), L628–L638.

BerriQi® activates the progression of macrophages from M1 to M2 and M2C



Short-term supplementation with BerriQi® powder reduces ozone-induced respiratory symptoms in healthy adults

Dominic Lomiwes, Grayson Nicholls, Greg Sawyer, Nayer Ngametua, Alex Kannon, Gowthami Vangala, Natalie Burr, Hannah Dinnan, Sheridan Martell & Odette Shaw

Innovation Expo 2025

14 October 2025

What is the Bioeconomy Science Institute?

agresearch
āta mātai, mātai whetū

Pastoral, agri-food and agri-technology

Manaaki Whenua
Landcare Research

Terrestrial biodiversity and land resources

Plant & Food™ Research
Rangahau Ahumāra Kai

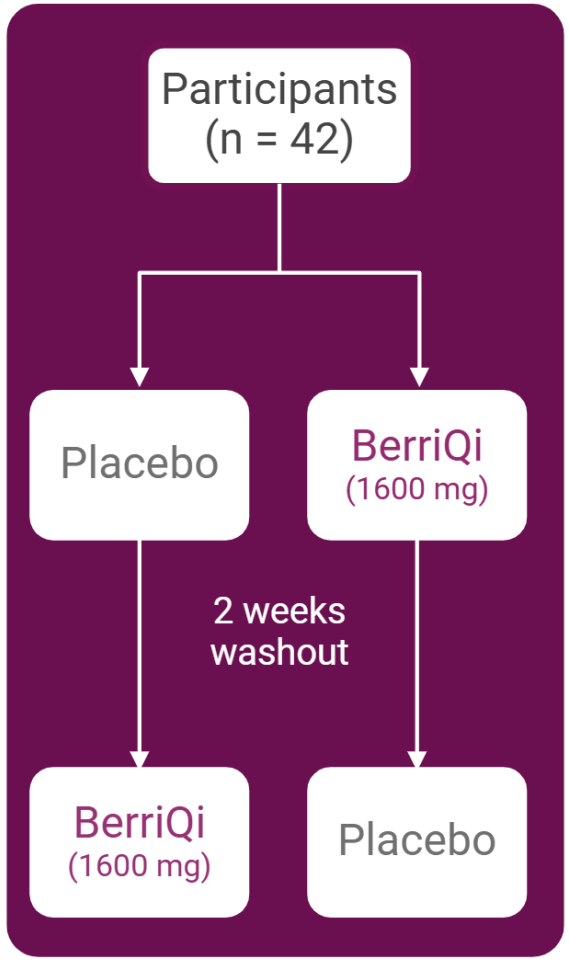
Horticulture, arable, seafood and food and beverage

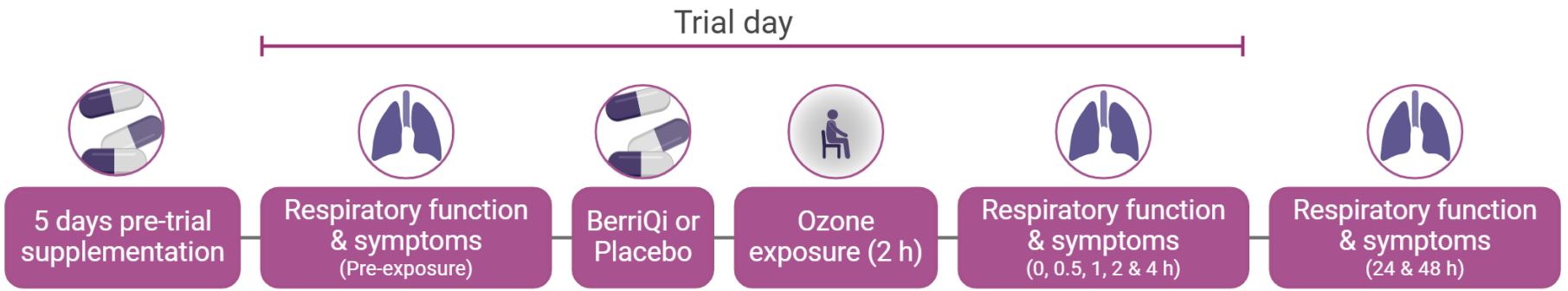
SCION™
FORESTS ▪ PRODUCTS ▪ INNOVATION

Forestry, biomaterials and wood-derived products

BerriQi – Protecting lung heath from acute ozone exposure

Randomised, double blinded, placebo control crossover study



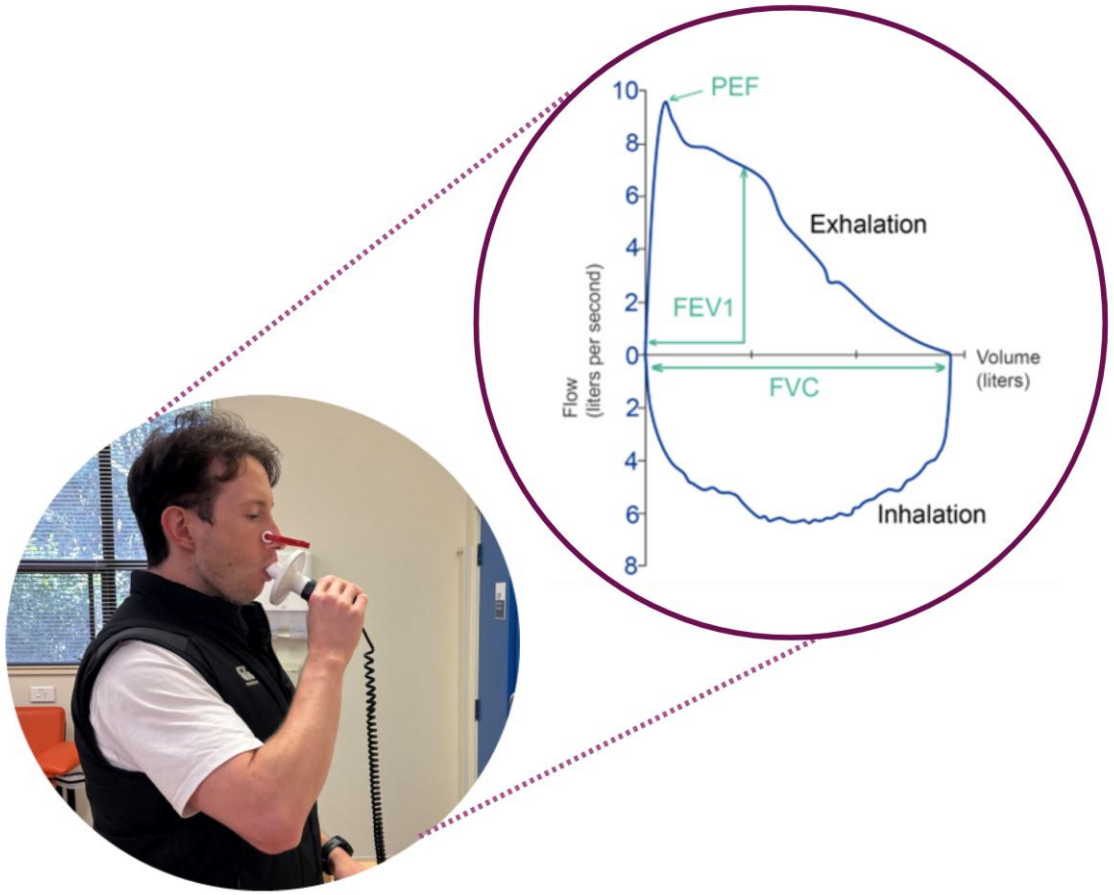


Primary outcome:
- FEV1: Forced Expiratory Volume (in 1 sec)
- FVC: Forced Vital Capacity

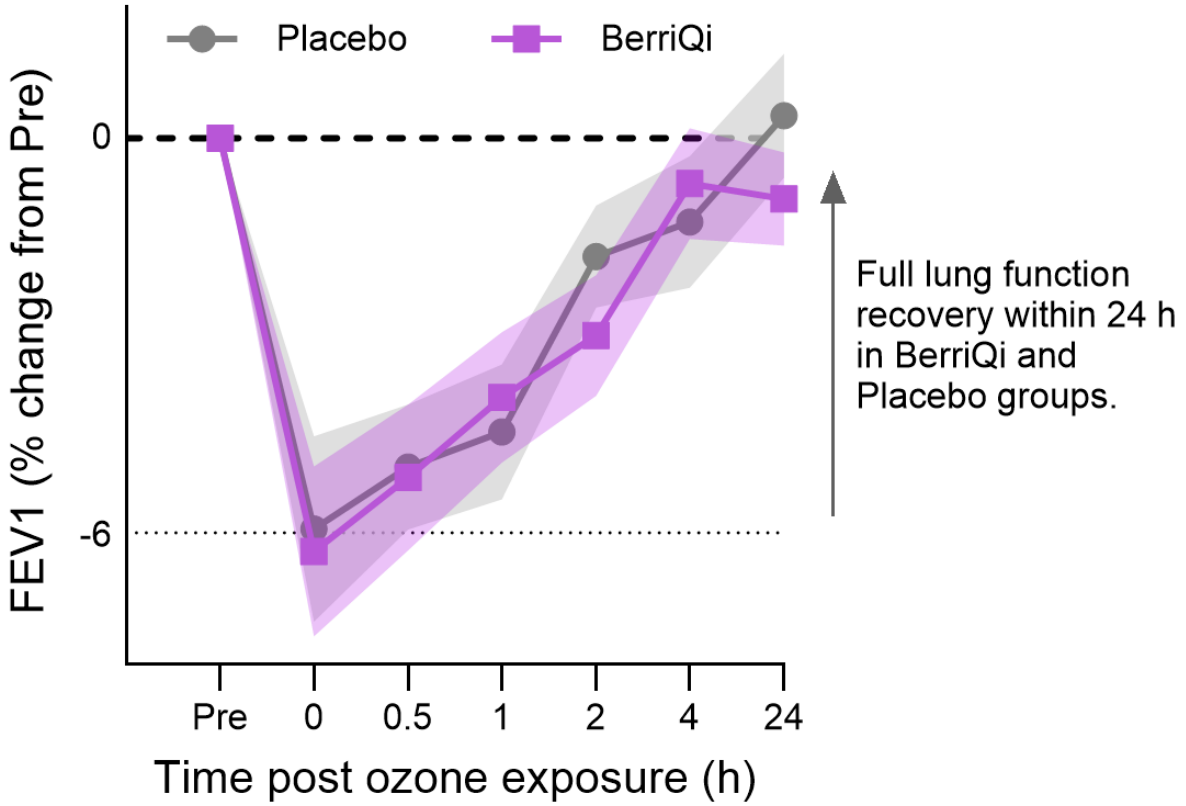
Secondary outcomes:
- Respiratory symptoms
- Plasma cytokine concentrations
- Oxidative stress
- Targeted and targeted metabolomics

	Males	Females
n	19	23
Age (years)	29.9 ± 8.4	29.6 ± 8.3
Height (cm)	180 ± 6.6	166 ± 6.0
Weight (kg)	81 ± 10	68 ± 15

Results for Respiratory Function



Reduced lung function after 2 h ozone exposure



Exposure to 0.2 ppm ozone resulted in an acute reduction in lung function that fully recovered to normal levels within 24 h.

Results for Respiratory Symptoms

Please rate severity of the following respiratory symptoms at this moment on the scales below

Severity of cough

None at all ——— Extreme

Pain on deep inspiration

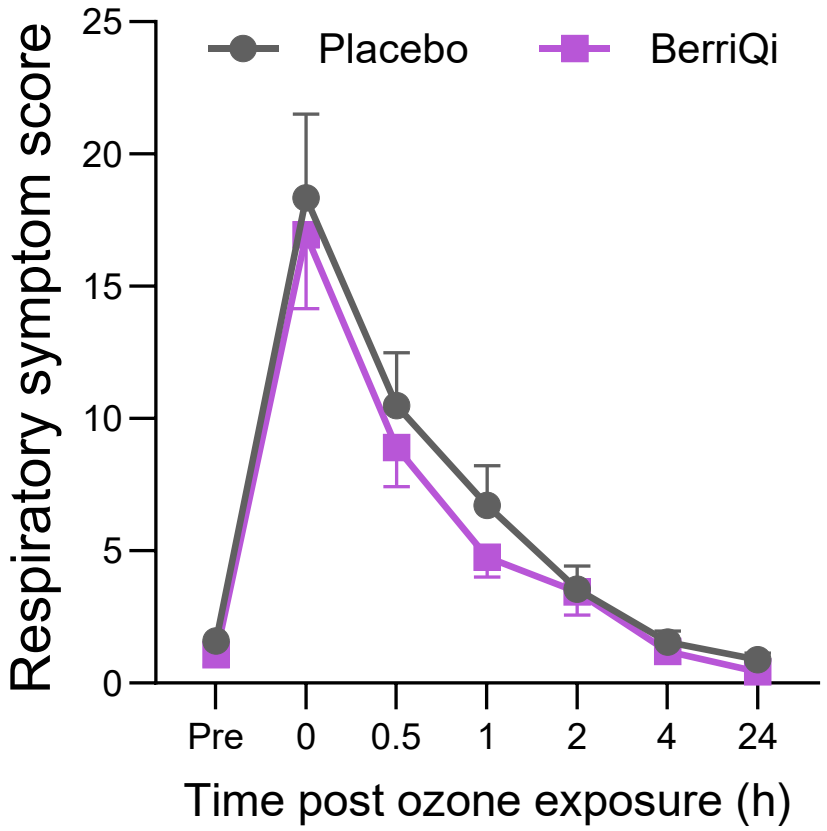
None at all ——— Extreme

Shortness of breath

None at all ——— Extreme

Throat irritation

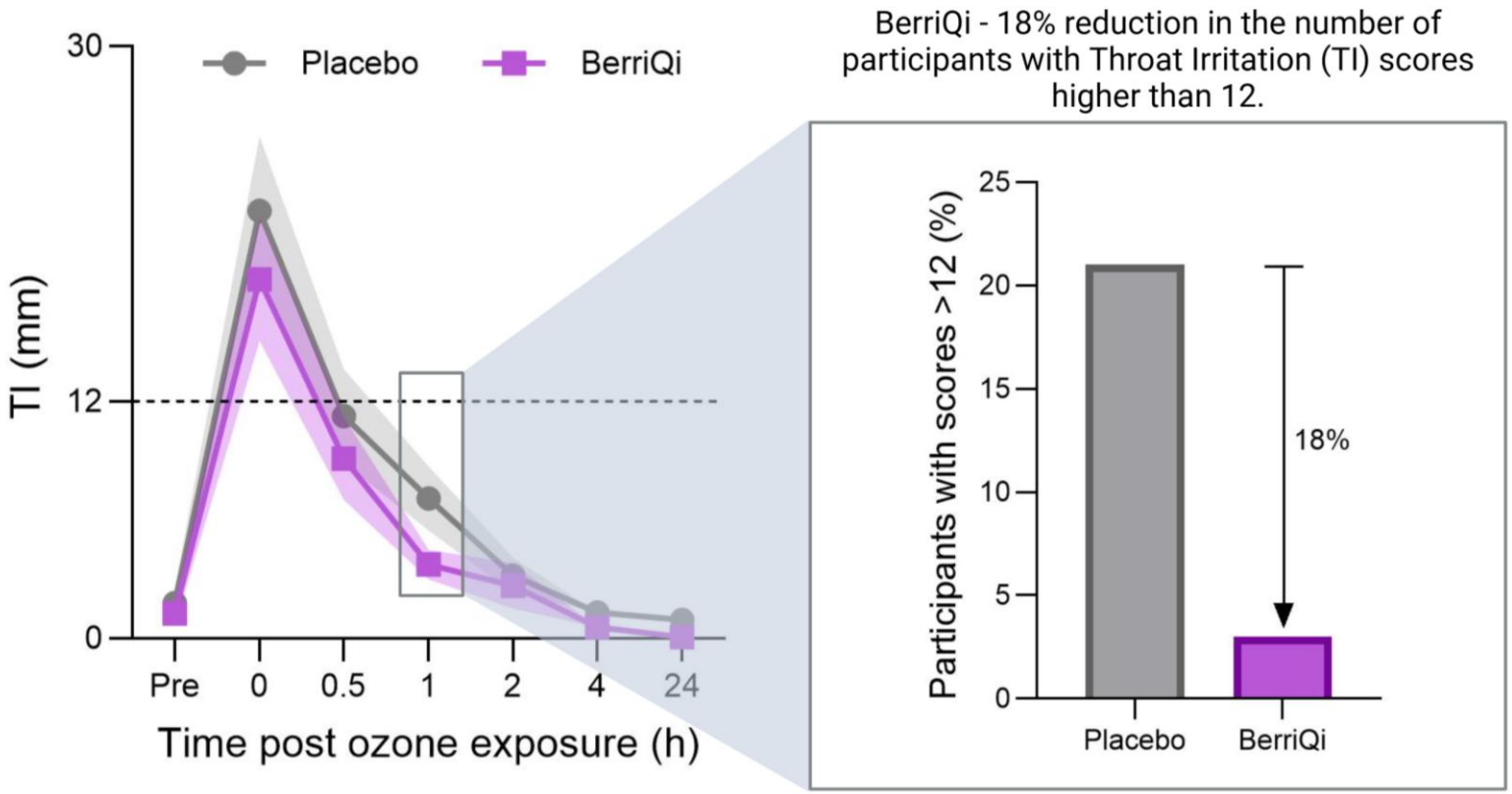
None at all ——— Extreme



Exposure to 0.2 ppm aggravated respiratory symptoms that dissipated to pre-exposure levels within 24 h.

Results for Respiratory Symptoms

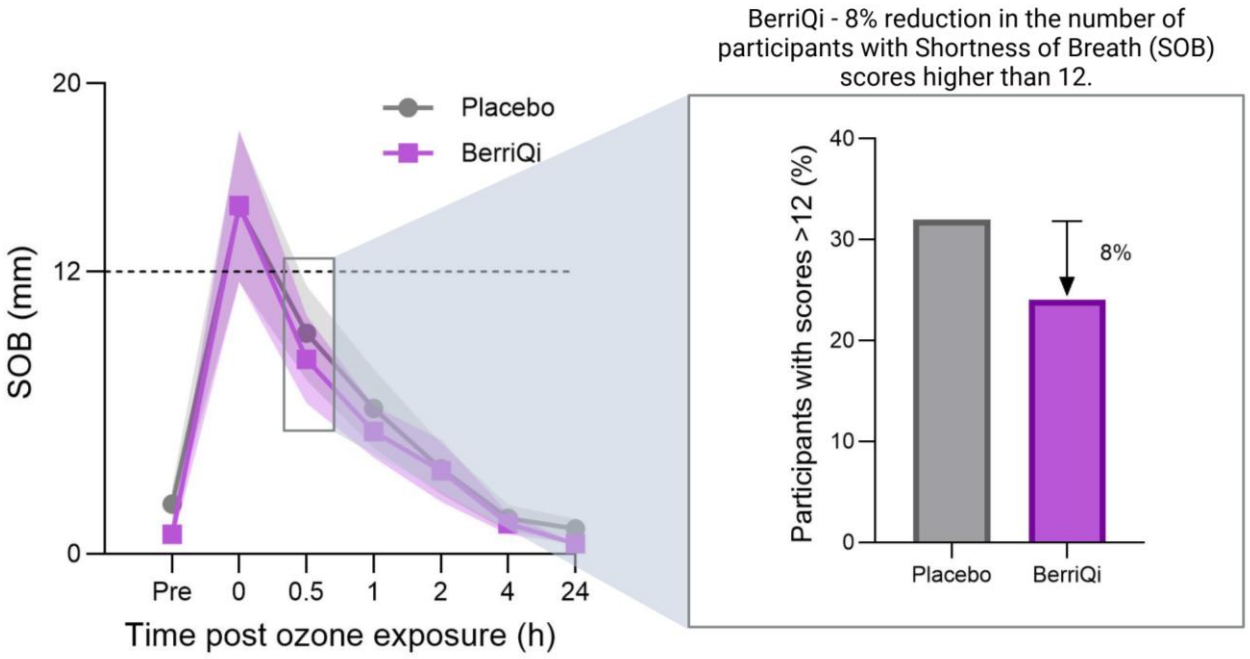
Throat Irritation

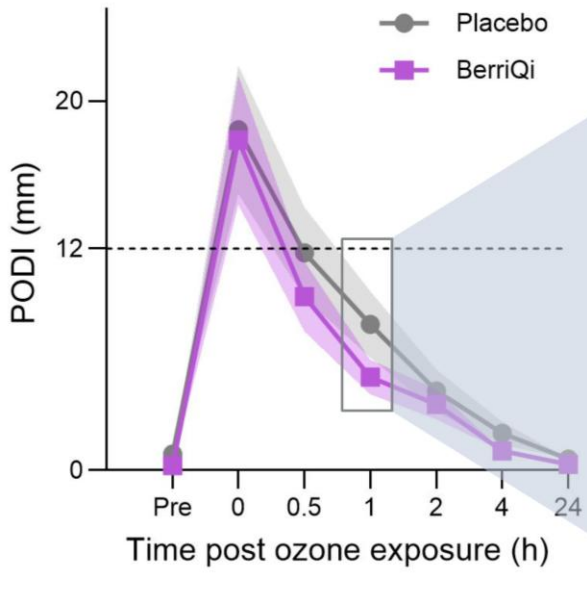


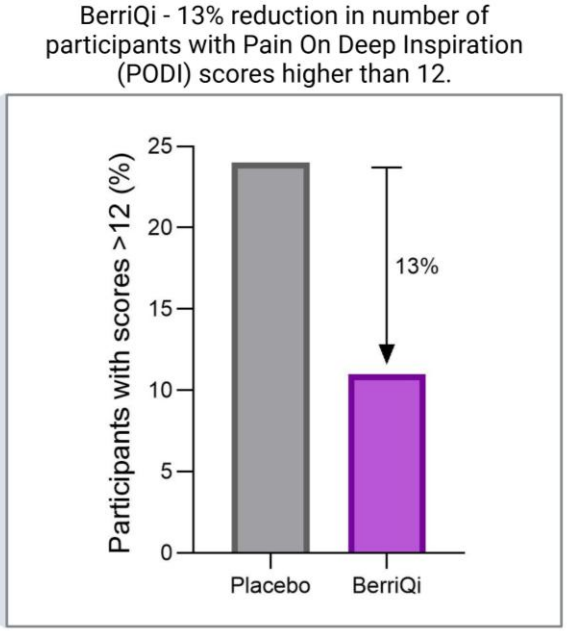
Throat irritation was significantly lower following ozone exposure when participants consumed BerriQi.

Results for Respiratory Symptoms

Shortness of Breath & Pain on Deep Inspiration

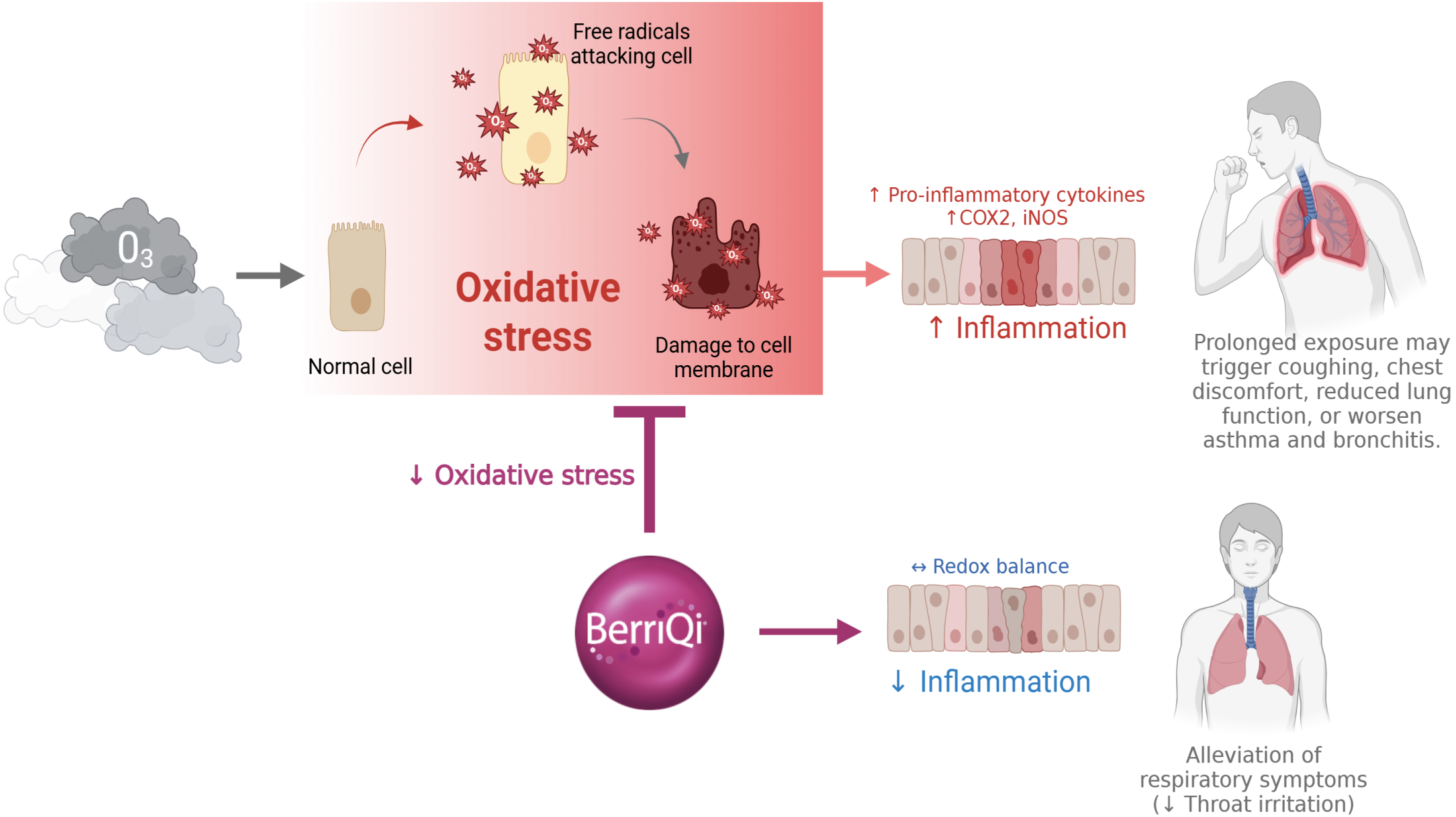






Faster resolution of SOB and PODI after ozone exposure in the BerriQi group.

Oxidative Stress and Throat Irritation



Key Take Aways : Ozone (Irritant) Study

BerriQi supplementation

- ✓ **Reduced throat irritation**
  Significantly less throat irritation measured compared with placebo.
- ✓ **Faster symptom relief**
  More rapid improvement other respiratory irriation symptoms within 1 hour after ozone exposure.
- **Oxidative balance**
  BerriQi supplementation may protect from oxidative stress, reducing respiratory symptoms and inflammation from ozone exposure.

The Opportunity

Respiratory Immunity **Currently**

Immune Activation

Crowded Space

Can exacerbate problems and symptoms, doesn't address full cycle

Respiratory Immunity **Future**

Full Cycle Immune

Activation + Calming

BerriQi®

Reduce symptoms
Prevent damage
Repair damage

SUMMARY: BerriQi® provides Full Cycle potent Respiratory Immune support

Specific types of anthocyanins in BerriQi have the unique ability to bind to a receptor activating progression from M1 pro-inflammatory mode to M2 anti-inflammatory mode.

- Supports the body's antiviral and anti-bacterial response to pathogens
- Reduces lung inflammation
- Reduces mucus overproduction
- Reduces wheeze, cough and phlegm
- Reduces collagen scarring of lung tissue
- Supports lung tissue repair


燕麥穀粒脆
水果派
BerriQi


PBF 寶齡富錦生技
淨排 2.5


BeNourish.
BeriQi DROPS
Beri Soothing, Beri Comforting!
8


REG-QI
325mg
BerriQi® powder


BeNourish.
TigroQi


BeNourish.
TigroQi
BITES


BNE
MushQi


REG-QI GOLD
400mg
BerriQi®

BerriQi®

In collaboration
Thank you from:

Anagenix.
SCIENCE PERFECTED IN MARKET®

Bioeconomy Science Institute™

BerriQi®