GABRIELLA GOBBI

EMBRACING PSYCHIATRY FROM BENCH TO BEDSIDE

FIRST WOMAN
CINP President
IN 70-YEAR HISTORY

150+	1,700+	28+	CRC
PUBLICATIONS	CITATIONS CANNABIS & DEPRESSION	YEARS AT MCGILL	CANADA RESEARCH CHAIR TIER 1: OUTSTANDING LEADERS

01 Cannabis & Depression

TRANSLATIONAL SCIENCE

- First to link adolescent cannabis use to depression-like outcomes in animal models (2010)
- Landmark meta-analysis in JAMA Psychiatry confirming association in humans (2019)
- Demonstrated disruption of serotonin and norepinephrine systems by cannabinoids
- Findings directly raised the legal cannabis age from 18 to 21 in Quebec
- Expert witness: Canadian Senate, Quebec Ministries of Health and Justice

02 Psychedelics & Anxiety

NEUROPSYCHOPHARMACOLOGY

- Began psychedelics research in 2013, ahead of the contemporary clinical wave
- Established anxiolytic and prosocial effects of LSD in preclinical models
- Identified mTORC1 signaling as a key mechanism of LSD action (PNAS, 2021)
- Holds international patents on LSD therapeutic applications
- Extending work to psilocybin, DMT, and 5-MeO-DMT with clinical biomarker studies

03 Melatonin MT2 Receptors

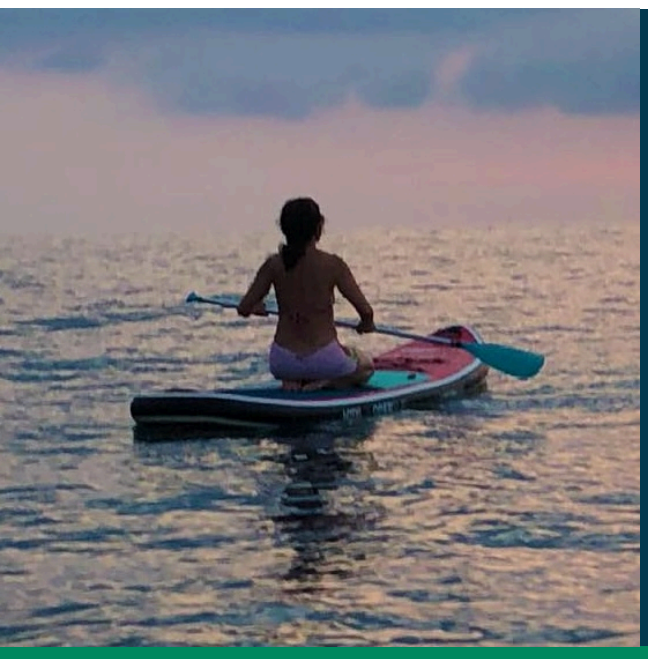
DRUG DISCOVERY

- Collaborating with medicinal chemists since 2006 on novel MT1/MT2 receptor ligands
- Defined MT2 receptor role in NREM restorative sleep and neuropathic pain
- Discovered and patented novel selective MT1 and MT2 receptor agonists
- Advancing first-in-class MT2-selective partial agonist toward clinical trials
- Targets: sleep disorders, chronic pain, and orphan neuropsychiatric conditions

04 Vision & Leadership

SCIENCE & SOCIETY

- Advocates urgently for structural reform of gender equity in academic science
- Champions recognition of invisible service burdens placed on women researchers
- Calls for patient-centered drug development free from short-term profit pressures
- Awards: Venezia Prize, Samarthji Lal Prize, McGill Principal's Prize, CINP and CCNP Awards
- Trilingual clinician-scientist; mentored generations of independent investigators



“I have never followed the bandwagon in research. I investigate questions that arise from my clinical work. The projects that take the longest are often those that yield the most meaningful results.”

BENCH-TO-BEDSIDE · DRUG DISCOVERY · TRANSLATIONAL PSYCHIATRY · POLICY IMPACT · RESILIENCE