



## Marijuana - Cannabis - Droga

## History

- 1937- Marijuana Tax Act: Cannabis becomes illegal in USA and in the world after being used for 38 million years by humans as a therapy, to enjoy and to pray (Harry Anslinger)
- Before prohibition 1% of population have been using Marijuana, today 50% (12-35) has used it at least once
- In USA and in the world Cannabis has engaged its own revenge
- Too much has been said without proper background knowledge and too much prejudgement
  Gianluigi Gessa – Professore Emerito Università di Cagliari













Methods: We measured the levels of both AEA and the other endocannabinoid, 2-arachidonoylglycerol (2-AG), in the CSF of drug-naive patients with TLE.

unclear.

KEY WORDS: Endocannabinoids, Anandamide, 2-Arachi donoylglycerol, Temporal lobe epilepsy.







CBD	CBDV		
5HT <sub>1A</sub> agonist (PMID 16258853)	TRPV1 agonism (PMID 25029033)		
GPR55 antagonist (PMID 17876302)	DAGL-alpha inhibition (PMID 21175579)		
Adenosine reuptake inhibition (PMID	Fig. 1 Te char chuving the propertiess of clients materiale wrgan for control client and start of the control of the client of the client start of the client start of the client start of the client start of the client start of the c		

## **Drug-Drug Interactions?**

VGSC blockade (PMID 24642454)

mTOR inhibition (PMID: 26283212)

CB1 negative allosteric modulator (PMID: 26218440)

- Caveats:
  - All are *in vitro* and have not been definitively linked to functional effects in whole animals/humans.
  - Often employ physiologically irrelevant (high  $\mu\text{M/mM}$  ) concentrations









	and areas	CBD	THC	Varietà'		
A DESCRIPTION OF THE PARTY OF THE	A DEA	<1%	~ 19%	Bedrocan		
THE REAL PROPERTY AND ADDRESS OF ADDRES	all the second	<1%	~ 12%	Bedrobinol		
ALTONIA STRATE	5%	~ 7,5%	~ 6%	Bediol		
a on i		ndicazioni				
- sindrome di Gilles de La Tourette - glaucoma resistente alla terapia						
			gradcoma resistente ana terapita convenzionale sindromi correlate a perdita di peso (es.			
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## Conclusioni

- I cannabinoidi sono una nuovo pianeta da scoprire
- Ulteriori studi sono necessari per determinare l'esatto meccanismo d'azione di queste molecole
- Non tutto è sistema endocannabinoide ... abbandonato?
- Il CBD ha risultati positivi in RCTs per Dravet e LGS
  - Conferma definitiva in giugno da FDA
  - Approvazione Europa
- Determinare lo spettro d'azione
- Aumentare le conoscenze sull'efficacia e la tollerabilità di CBD
- CBDV..... Altri in futuro

