

Nature and composition of homeopathic medicines!

10 years of research



June 1 2025 Report

Nature and composition of homeopathic medicines !

Tribute to Professor MARC HENRY



Water is life !



Nature and composition of homeopathic medicines !

TRIBUTE to Professor MARC HENRY



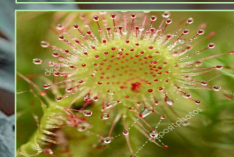
Nature and composition of homeopathic medicines !

TRIBUTE to Professor MARC HENRY



HOMEOPATHY AND GENE EXPRESSION

Mini-review
Gelsemium
Apis
Drosera



DNA chip technology to demonstrate homeopathic medications efficacy



"in vivo"
"in vitro"



homeopathic medications efficacy first CERTITUDE

GELSEMIUM

(Gelsemium sempervirens L.)

Marzotto et al. *BMC Complementary and Alternative Medicine* 2014, **14**:104
<http://www.biomedcentral.com/1472-6882/14/104>



RESEARCH ARTICLE

Open Access

Extreme sensitivity of gene expression in human SH-SY5Y neurocytes to ultra-low doses of *Gelsemium sempervirens*

Marta Marzotto¹, Debora Oliosio¹, Maurizio Brizzi², Paola Tononi³, Mirco Cristofolletti¹ and Paolo Bellavite^{1*}



GELSEMIUM

(Gelsemium sempervirens L.)



OP root



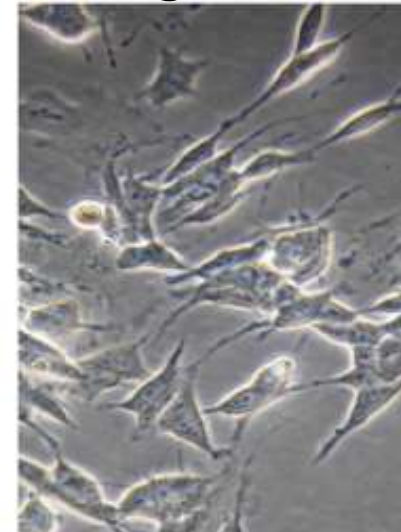
2 – 3 – 4 – 5 – 9 – 30 CH

Dr Michel Van Wassenhoven

"in vitro"

Human cell lineage neurons

45.033 genes chip

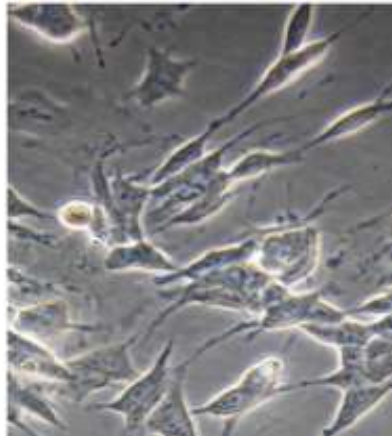


SH-SY5Y -

APMH 2024

GELSEMIUM

24h after contact



+



2 – 3 – 4 – 5 – 9 – 30 CH

56 genes → altered gene expression

(out of 45.033 gènes) (49 ↓ 7 ↑)



GELSEMIUM

56 genes → altered gene expression

Neuronal function genes (TAC4 and GALR2) (2 neuropeptides)

Genes involved in olfactory transduction

Genes involved in inflammation

Genes involved in calcium signaling (Ca^{++}) •.....

(Prevalence of down-regulation indicate a tendency to reduce cell excitability)
49 ↓ et 7 ↑

Anxiolytic/Headaches/emotional shock and flu

Homeopathic medication efficacy

Apis mellifica



TM – 3 – 5 – 7 CH



"in vitro"

Human lineage

Prostatic Epithelium K

41.000 genes chip



Homeopathic medication efficacy

Apis mellifica

Impact on gene expression
involved in
inflammation oxidative stress
cytokinar expression





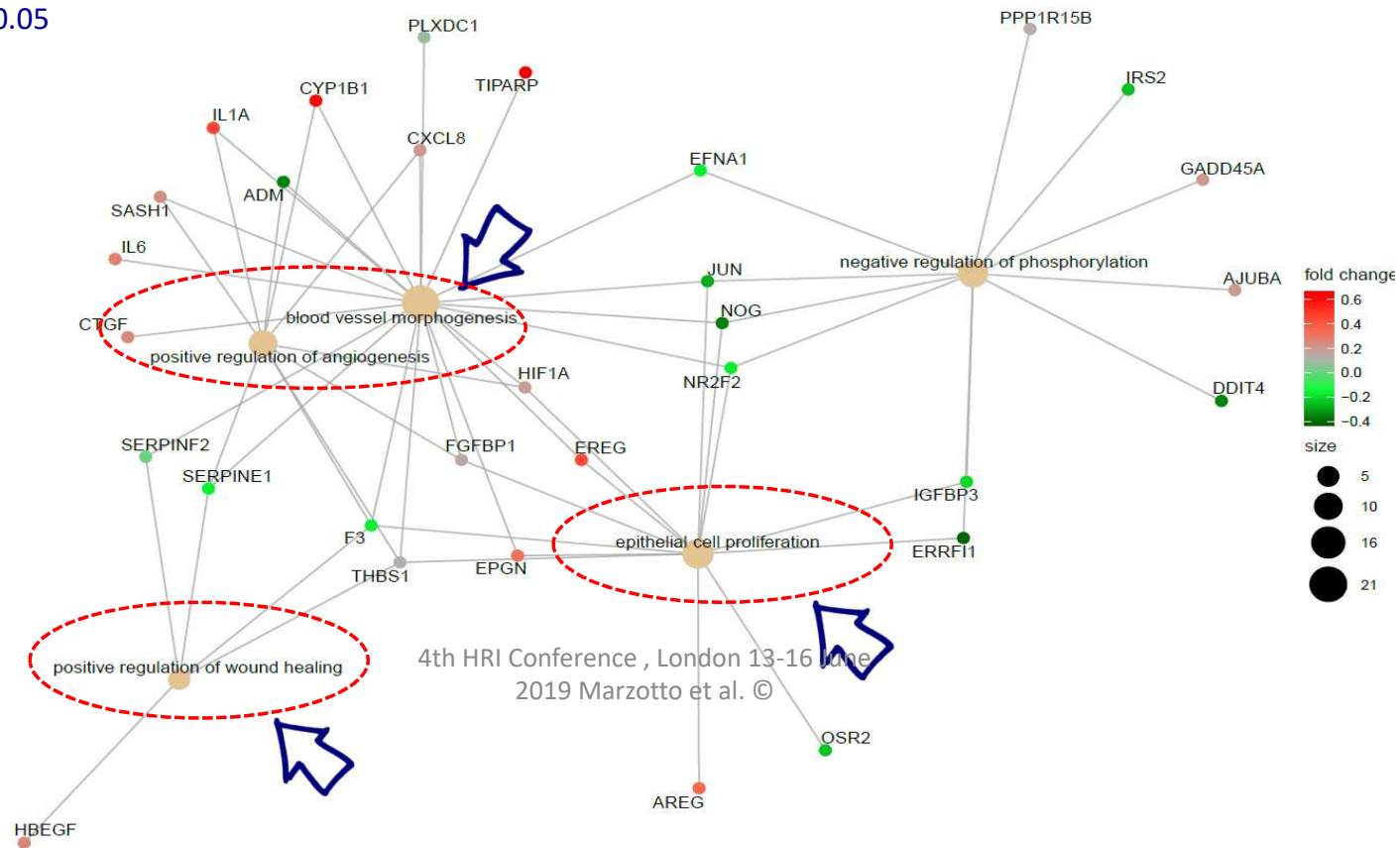
Evidence of Homeopathy and gene expression

Test compound	Potencies	Cell type	Effect	REF
<i>Canova complex</i>	11D-12D	Mouse macrophages	↑ expression of 45 genes ↑ expression of 102 genes	(Oliveira et al. 2008)
<i>Carcinosinum</i>	MT, 30C, 200C	DLA cells	↑ specific gene expression (p53 pro-apoptotic)	(Sunila et al. 2009)
<i>Arsenicum alb.</i>	30C	Saccharomyces cerevisiae, E. coli	↑ Resistance to arsenicum toxicity ↓ ↑ expression of specific genes (apoptotic, stress response proteins)	(Das et al. 2011; De et al. 2012 of Khuda-B.group)
<i>Carcin., Ruta, Hydrastis, Thuja</i>	200C	DLA cells	↑ Apoptosis, ↓ ↑ Gene expression (whole genome analysis)	(Preethi et al. 2012)
<i>Gelsemium s.</i>	2C, 3C, 5C, 9C, 30C	Human neurocytes SHSY5Y	7 genes ↑ 49 genes ↓ expression (whole genome analysis) ↓ gene expression (RT-Array, 2C)	(Marzotto et al. 2014; Oliosio et al. 2014)
<i>Apis mellifica</i>	3C, 5C, 7C, 15C, 30C	Human prostate RWPE-1	↑ ↓ expression of different groups of genes (whole genome analysis)	(Bigagli et al. 2014, 2016)
<i>Rhus tox.</i>	30X	Primary cultured chondrocytes	↑ gene expression (COX-2), ↓ specific gene expression (collagen II; de-differentiation role)	(Huh et al. 2013)
<i>Arsenicum alb.</i>	45X	Arsenic-intoxicated wheat seeds	↑ Germination ↓ Gene expression levels	(Marotti et al. 2014)
<i>Condurango</i>	30C	H460-non-small-cell lung cancer cells	↓ ↑ expression of specific genes (apoptotic), ↑ Apoptosis, oxidative stress, mitochondrial depolarization	(Sikdar et al. 2014)
<i>Arnica montana</i>	2C, 3C, 5C, 9C, 15C	THP-1 macrophages	↓ expression of TNF, IL1B, CCL5, MMP1 ↑ expression of CXC chemokines and BMP2 (in IL-4 differentiated cells) and Fibronectin	(Oliosio et al. 2016 Marzotto et al, 2016)
<i>Drosera rotundifolia</i>	3D-6D	16HBE bronchial cells	↓ 25 genes ↑ 44 genes, epithelial cell proliferation	(Arruda et al. 2021)

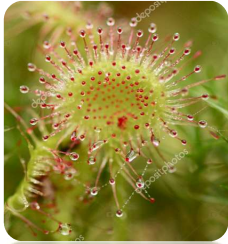


Gene regulatory networks of bronchial cells affected by Drosera 3X

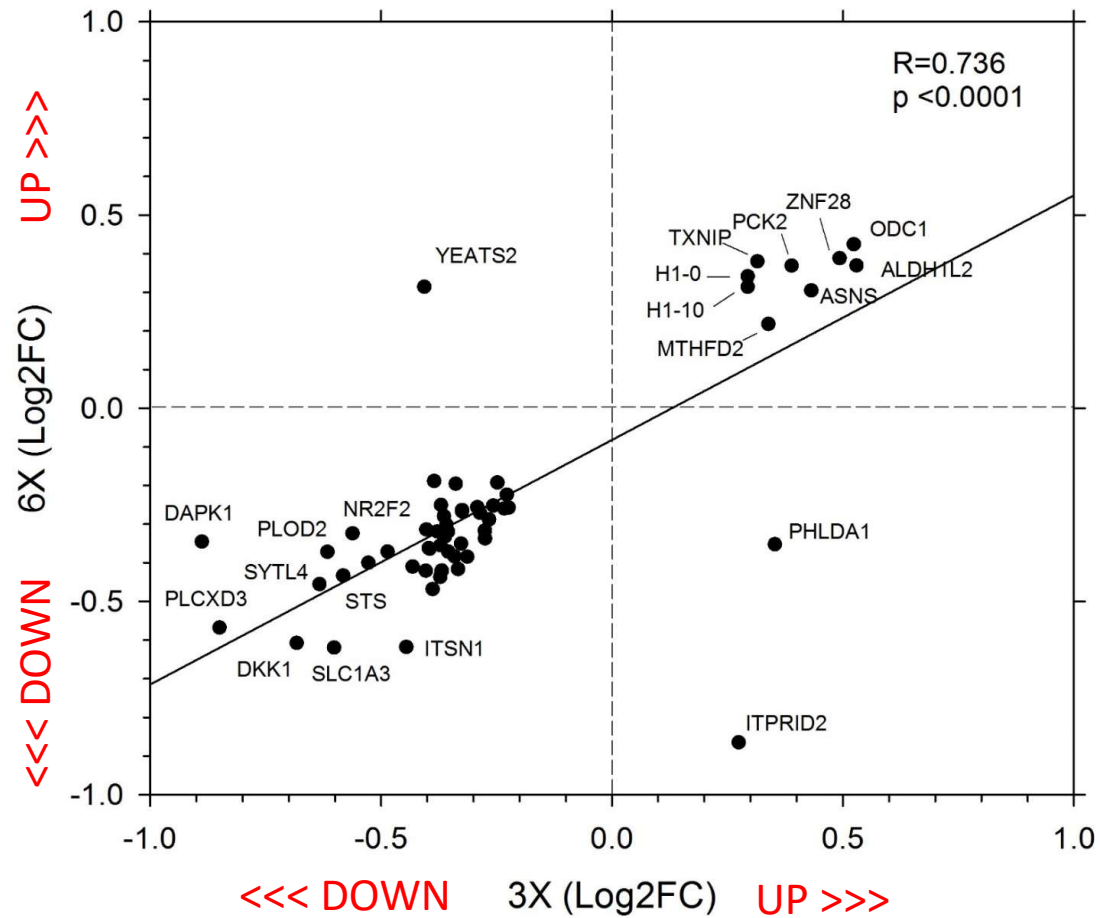
The 5 most significantly enriched **Biological Processes**, padj<0.05



Arruda e Silva et al. 2021 Scientific Reports



Significant changes with Drosera 3X AND 6X

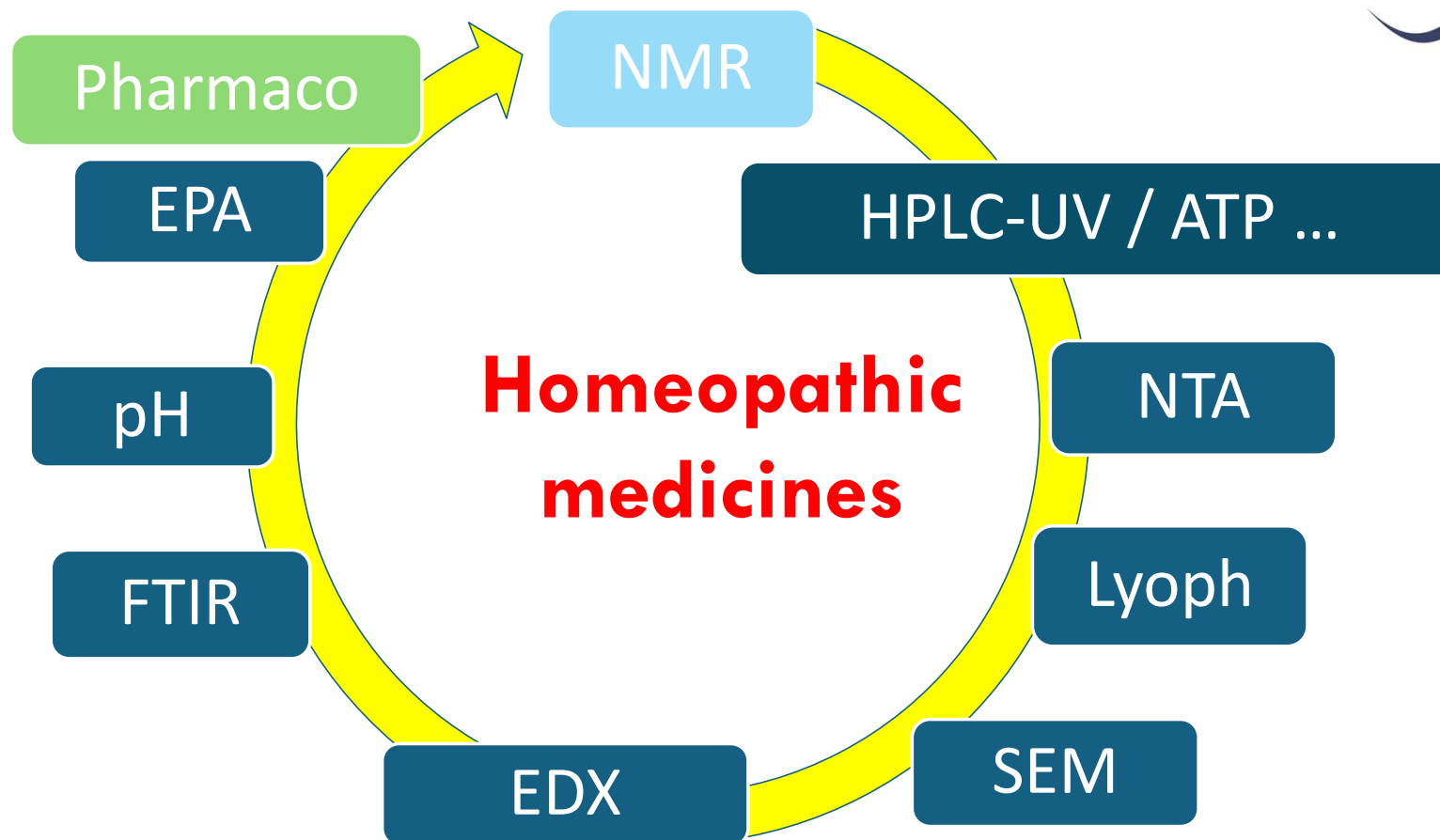


Nature and composition of homeopathic medication !

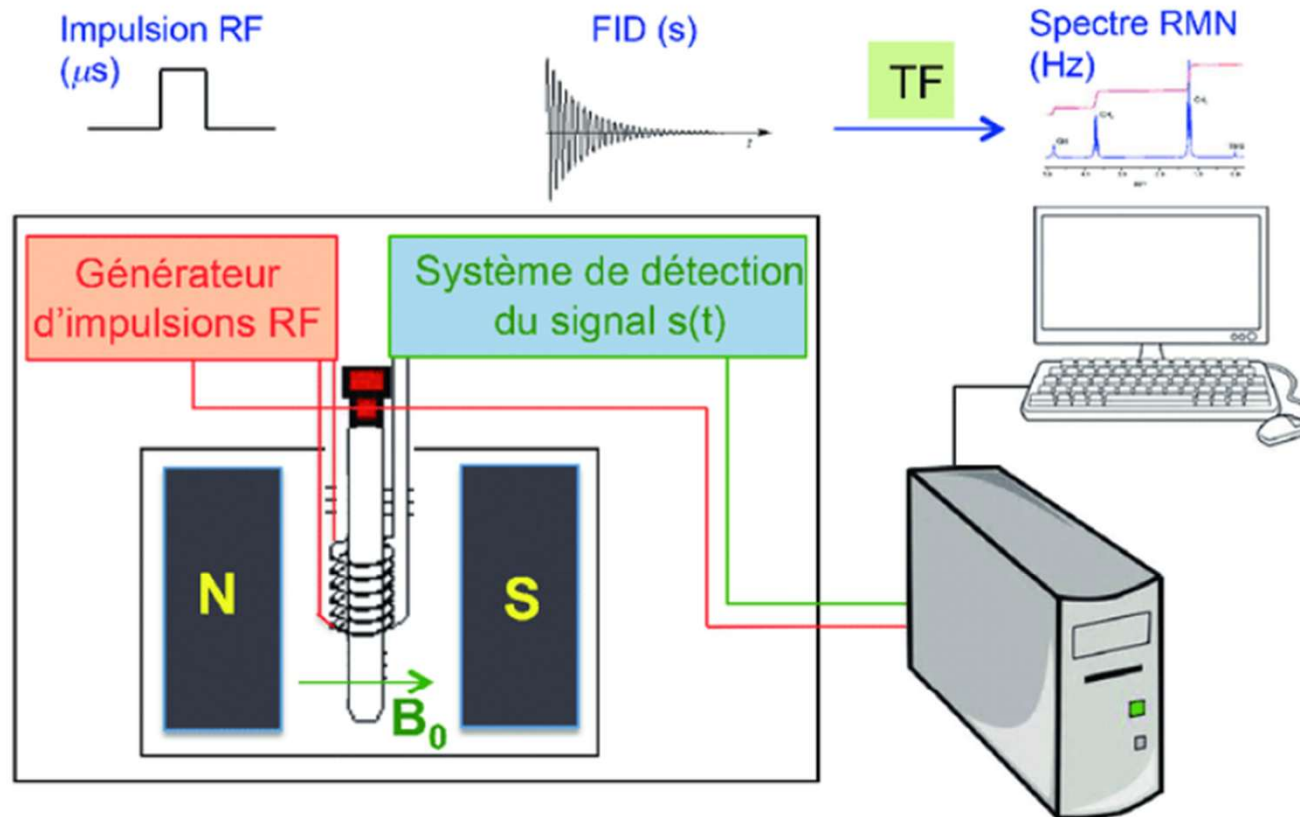
TRIBUTE to Pr MARC HENRY



DynHom Research Program



- N.M.R. (NUCLEAR MAGNETIC RESONANCE) METHOD:**



Mons University



Dr Michel Van Wassenhoven

• N.M.R. (NUCLEAR MAGNETIC RESONANCE) :

Experimental conditions of the respective studies. (-): not specified. (a): Cenco vortex 20 s at maximal rate. (b): 300strokes in 14 s. (c): 800 strokes at 12 Hz. (d): manual succussions 4 min at 2.7 Hz. (e): 100strokes in 2 s. (f): 100 manual succussions at 1 Hz. (g): 1 series (3 subsets).

	Substance	Solvent	Range	Material	Shaking	Sterile conditions	Capping	Heating	No series	Blinding	NMR (MHz)
Demangeat 1992	Sil/Lac	water	C3-C15	glass	vortex ^a	lam-flow hood	flame	no	7	yes	4
	Sil/Lac	0.15 M NaCl	C3-C15	glass	vortex ^a	lam-flow hood	flame	no	7	yes	4
Demangeat 1997	Sil/Lac	0.15 M NaCl	C3-C15	glass	vortex ^a	lam-flow hood	flame	no	4	yes	4
	Histamine	water	C4-C15	glass	vortex ^a	lam-flow hood	flame	no	3	yes	4
	Mn/Lac	water	C4-C15	glass	vortex ^a	lam-flow hood	flame	no	3	yes	4
Demangeat 2004	Sil/Lac	water	C3-C21	glass	vortex ^a	lam-flow hood	flame	no	5	yes	0.02-4
	Sil/Lac	0.15 M NaCl	C3-C21	glass	vortex ^a	lam-flow hood	flame	no	5	yes	0.02-4
Demangeat 2009	Histamine	water	C4-C24	glass	stroker ^b	lam-flow hood	flame	yes	6	yes	20
	Histamine	0.15 M NaCl	C4-C24	glass	stroker ^b	lam-flow hood	flame	yes	6	yes	20
Demangeat 2010	Sil/Lac	0.15 M NaCl	C6-C21	glass	vortex ^a	lam-flow hood	flame	yes	5	yes	20
	Sil/Lac	0.15 M LiCl	C6-C24	polyeth.	stroker ^b	lam-flow hood	flame	yes	6	no	20
Milgrom 2001	Nitric acid	water	C1-C25	glass	stroker ^c	no	cap	no	1	no	20
Tiezzi 2003/2010	Multiple (-)	water	(-)	glass	(-)	(-)	(-)	no	(-)	(-)	200
Baumgartner 2009	Quartz(Sil)/Lac	1% ethanol	C10-C30	glass	manuel ^d	clean room	flame	no	1 (3 s/s) ^g	yes	600/500
	Copper sulfate	1% ethanol	C11-C30	glass	manuel ^d	clean room	flame	no	1 (3 s/s) ^g	yes	600/500
	Sulphur/Lac	1% ethanol	D13-D30	glass	manuel ^d	clean room	flame	no	1 (3 s/s) ^g	yes	500
Wassenhoven 2017	Copper/Lac	water	C4-C30	glass	stroker ^e	lam-flow hood	cap	no	4	yes	20
	Gelsemium	water	C3-C30	glass	stroker ^e	lam-flow hood	cap	no	3	yes	20
	Lactose	water	C3-C30	glass	stroker ^e	lam-flow hood	cap	no	3	yes	20
Wassenhoven 2021	Copper/Lac	water	C4-C30	glass	stroker ^e	lam-flow hood	cap	no	3	yes	20
	Gelsemium	water	C4-C30	glass	stroker ^e	lam-flow hood	cap	no	3	yes	20
	Lactose	water	C4-C30	glass	stroker ^e	lam-flow hood	cap	no	3	yes	20
Esposito 2021	Sil/Lac	0.15 M LiCl	C6-C24	polyeth.	manuel ^f	lam-flow hood	cap	yes	4	yes	20
	Lactose	0.15 M LiCl	C6-C24	polyeth.	manuel ^f	lam-flow hood	cap	yes	4	yes	20

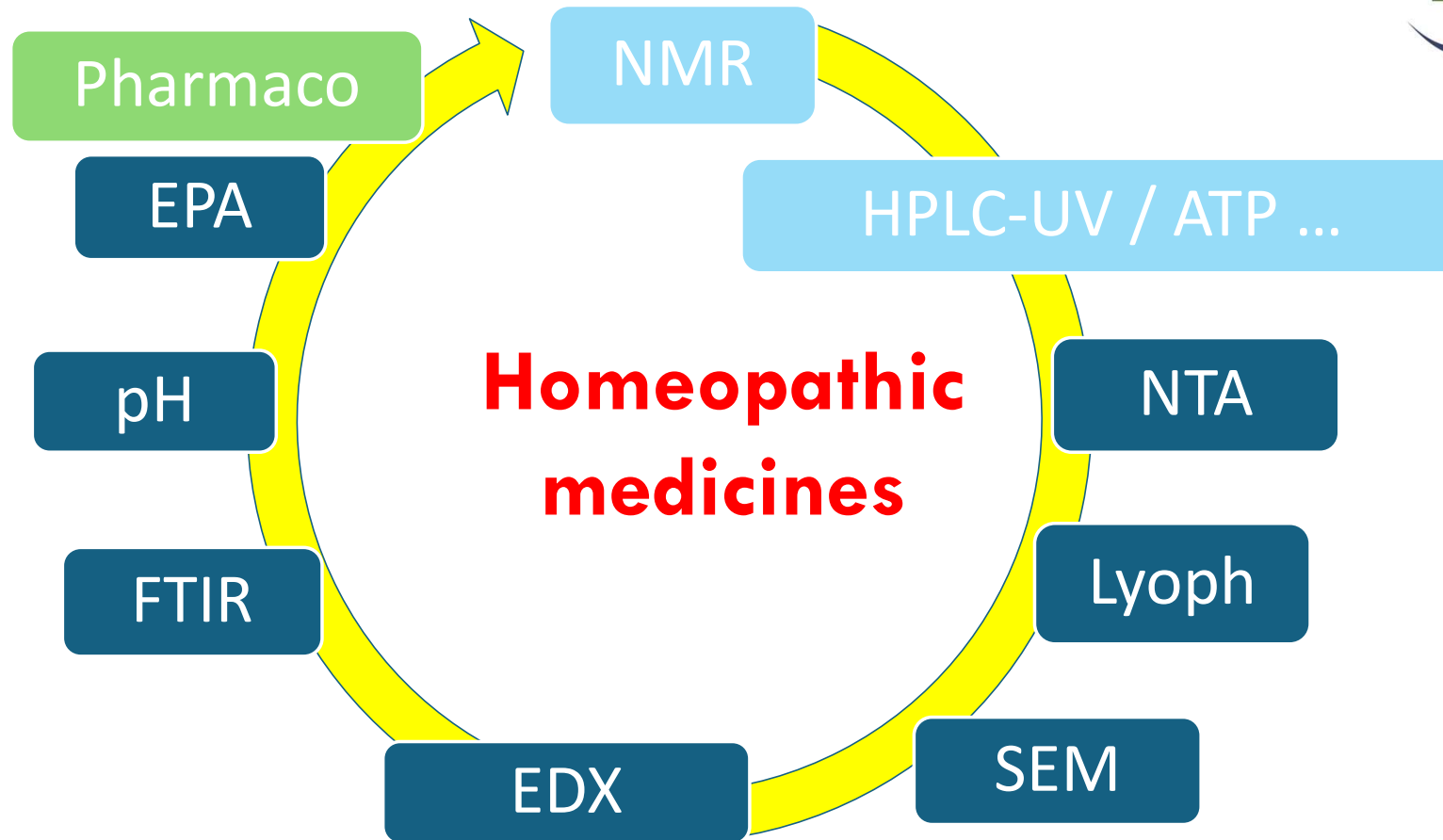


Take-away Message 1 (2^d CERTITUDE) N.M.R. (Nuclear Magnetic resonance)

- ✓ Specific signature (structure) of homeopathic drugs in water - even high diluted - can be identified using NMR relaxation time measurements. Homeopathic solutions cannot be considered as pure water.
- ✓ These Results are verified, confirmed and published by several independent teams worldwide
- ✓ (France - Switzerland - Germany - United Kingdom - Belgium). **Jean-Louis Demangeat.**
- ✓ *Water proton NMR relaxation revisited: Ultrahighly diluted aqueous solutions beyond Avogadro's limit prepared by iterative centesimal dilution under shaking cannot be considered as pure solvent. Journal of Molecular Liquids Volume 360, 15 August 2022, 1195*



DynHom Research Program

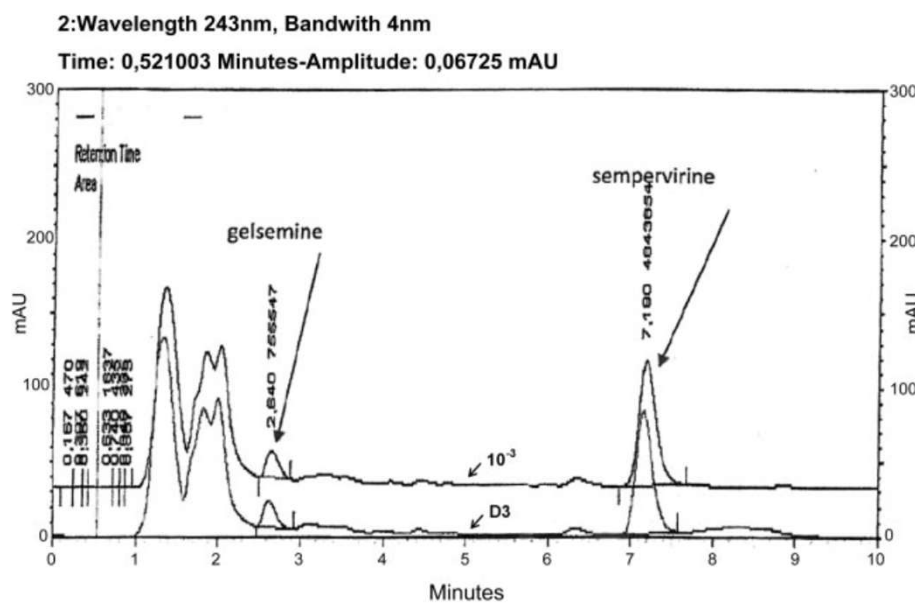




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HPLC-UV HIGH PERFORMANCE LIQUID CHROMATOGRAPHY



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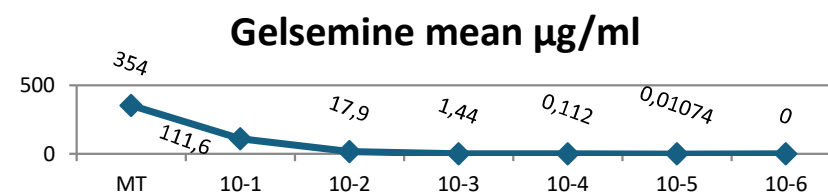
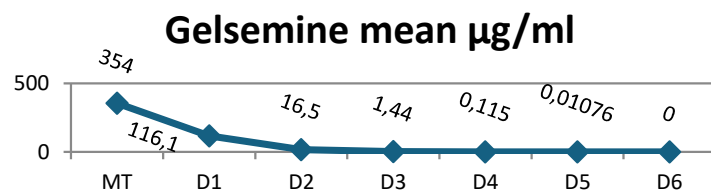
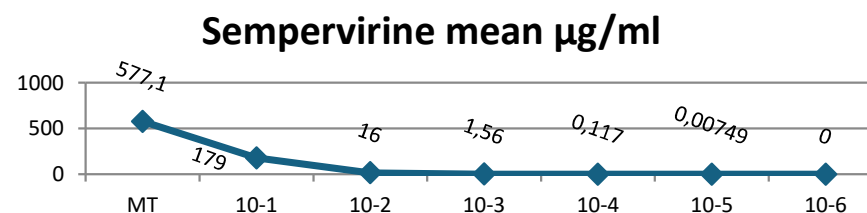
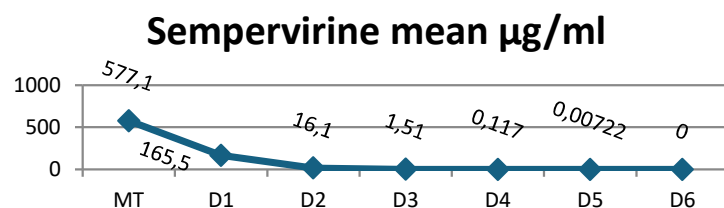
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HPLC-UV



- **Gelsemium sempervirens**

- HPLC-UV: High Performance Liquid Chromatography using UV detector. Dynamisation versus simple dilution.



- Pas de difference avec ou sans dynamisation / Quantification limite = D6

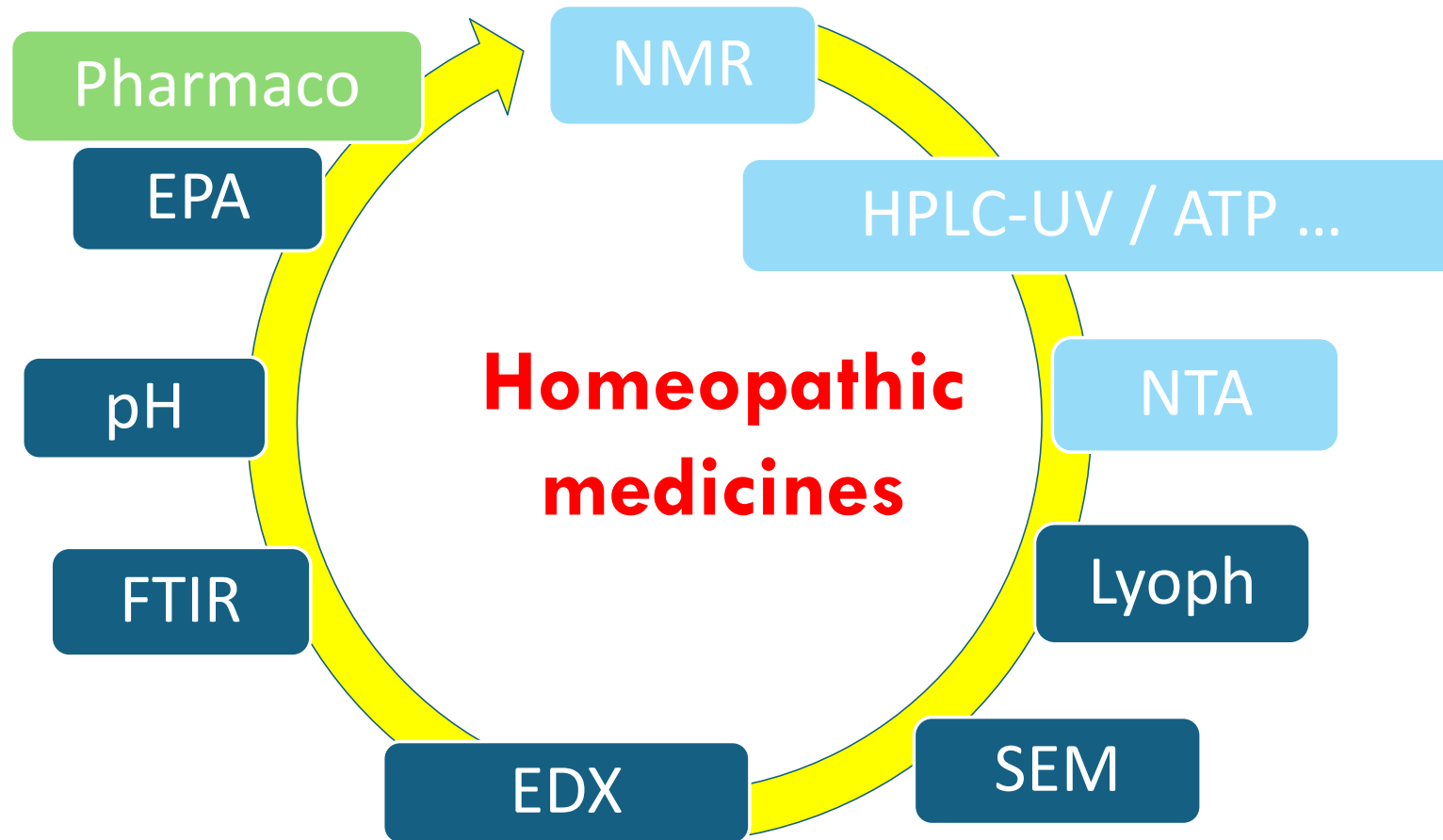
Take away message 2

HPLC-UV High Performance Liquid Chromatography

- ✓ UP TO 6DH, COMPONENTS OF A RAW MATERIAL CAN BE DETECTED BY THIS TECHNIQUE.
- ✓ FROM 6DH, THE QUANTITIES OF THESE COMPONENTS ARE NO LONGER MEASURABLE.
- ✓ FROM 7DH, THEY CANNOT BE OBSERVED.
- ✓ CONCLUSION: MOST HOMEOPATHIC DRUGS ARE SAFE FROM 8DH OR 4CH.



DynHom Research Program



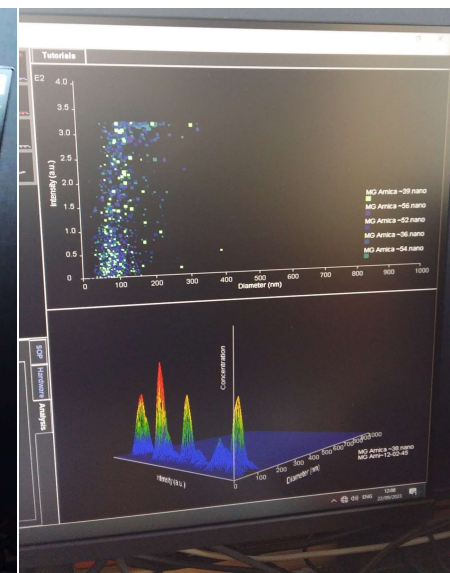
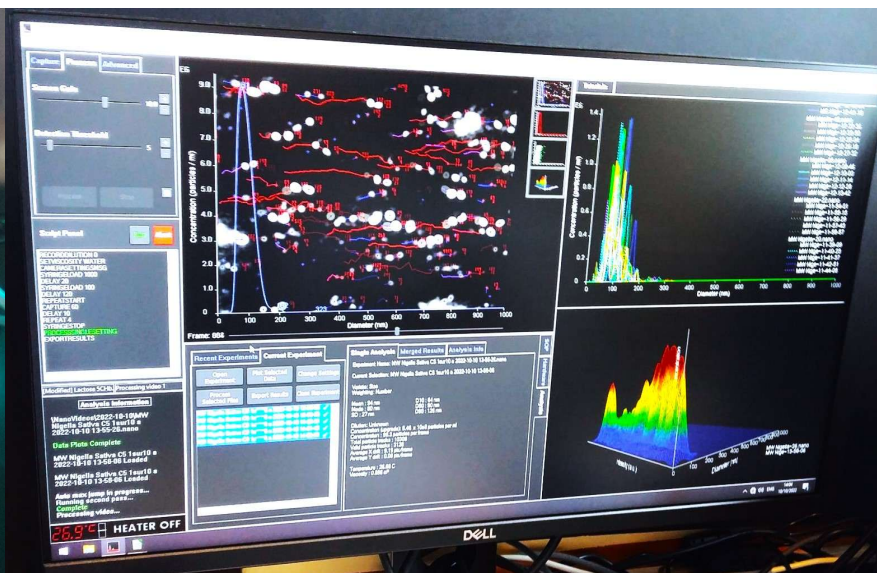
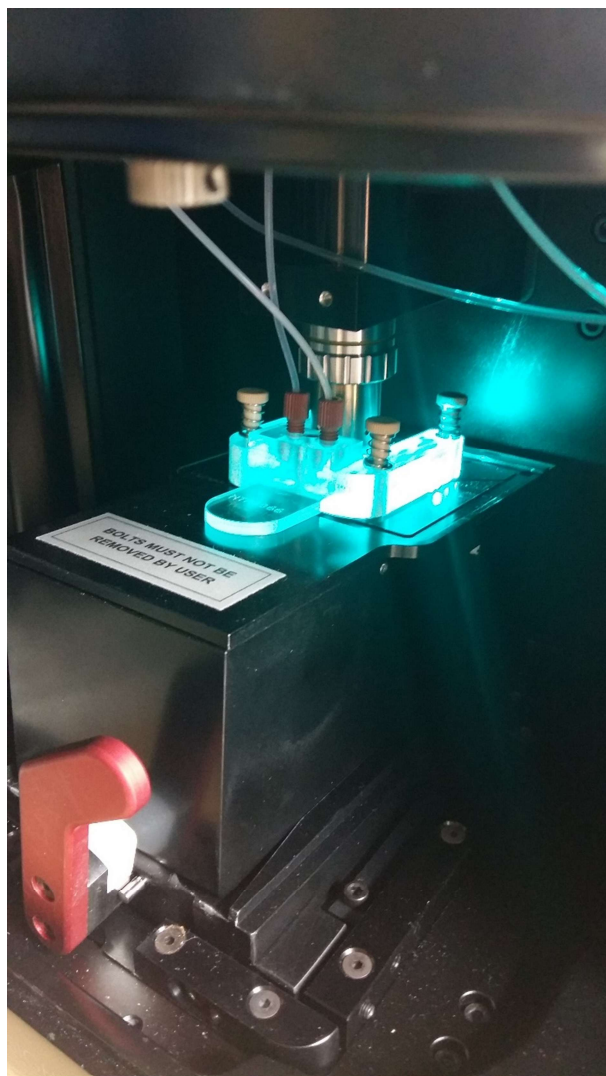


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N.T.A. Nano Tracking Analysis.



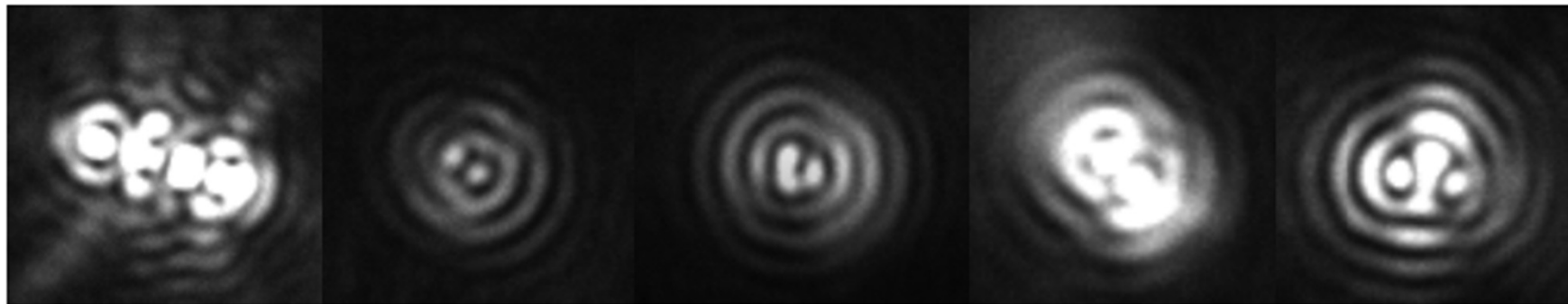
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N.T.A. Nano Tracking Analysis.



17 CH

20 CH

20 CH

21 CH

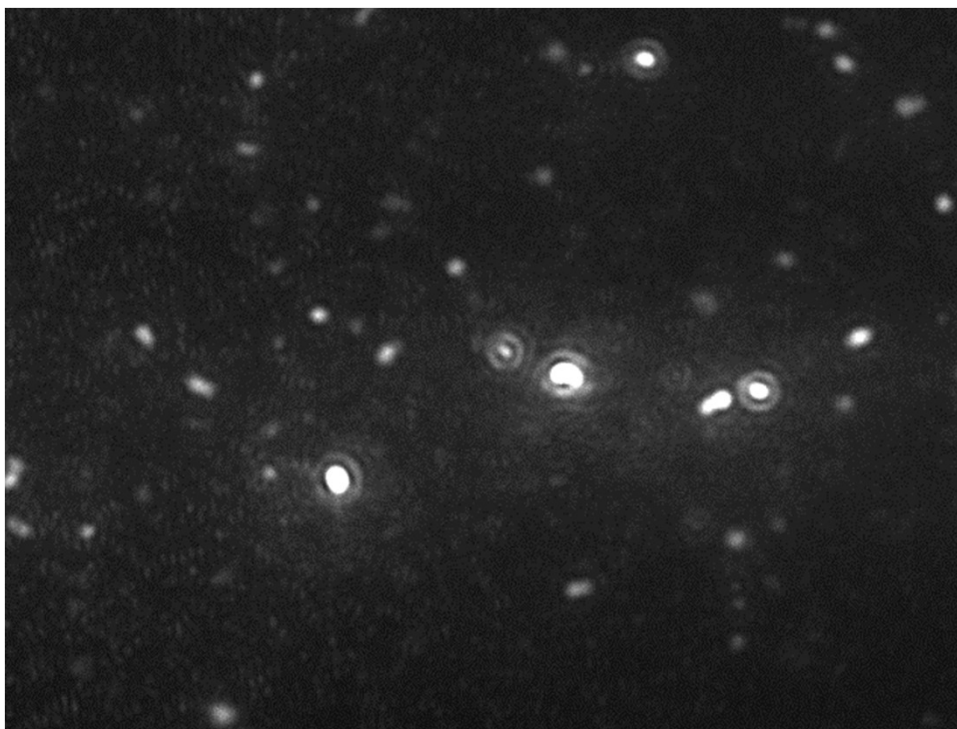
21 CH



12CH ARGENTUM MET.

N.T.A. Nano Tracking Analysis.

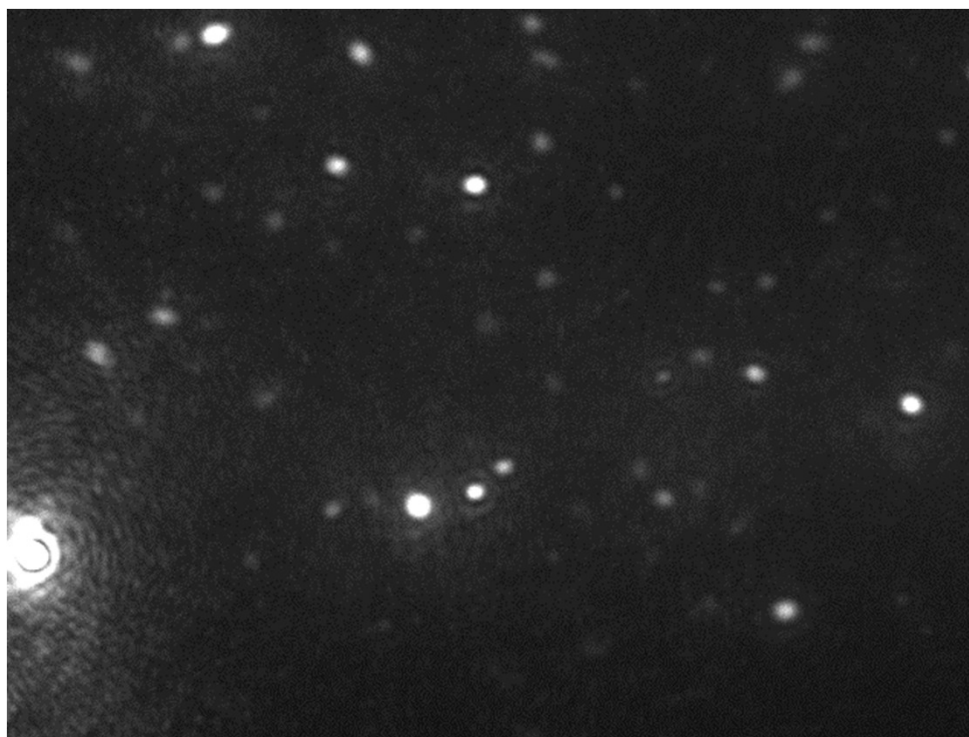
Cuprum 4CH



N.T.A. Nano Tracking Analysis.

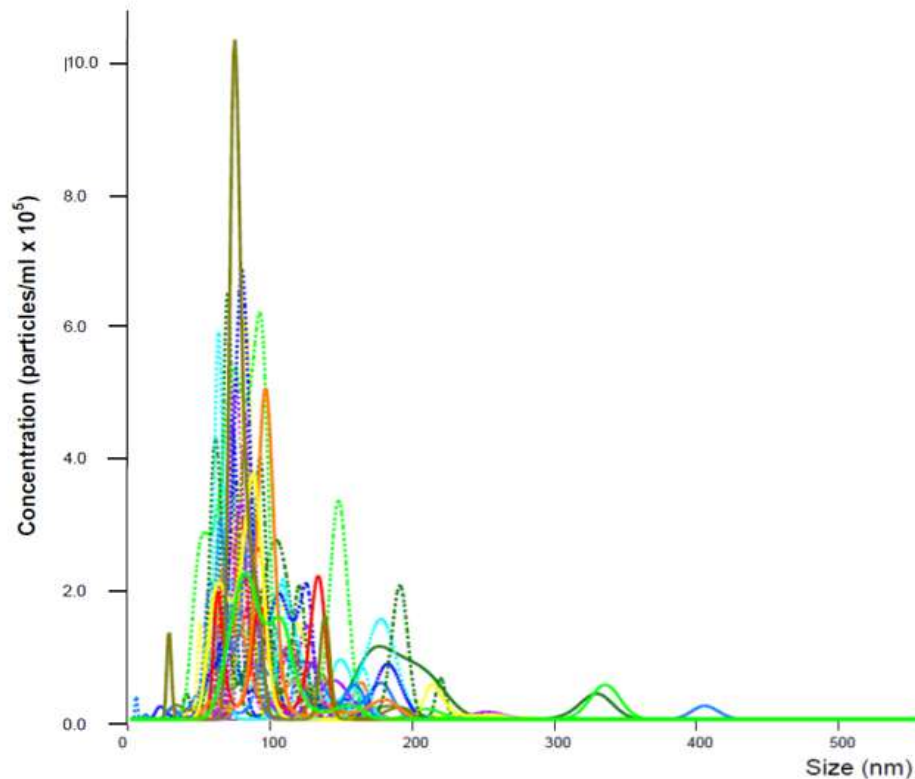
Cuprum 10^{-8}

Un-dynemized

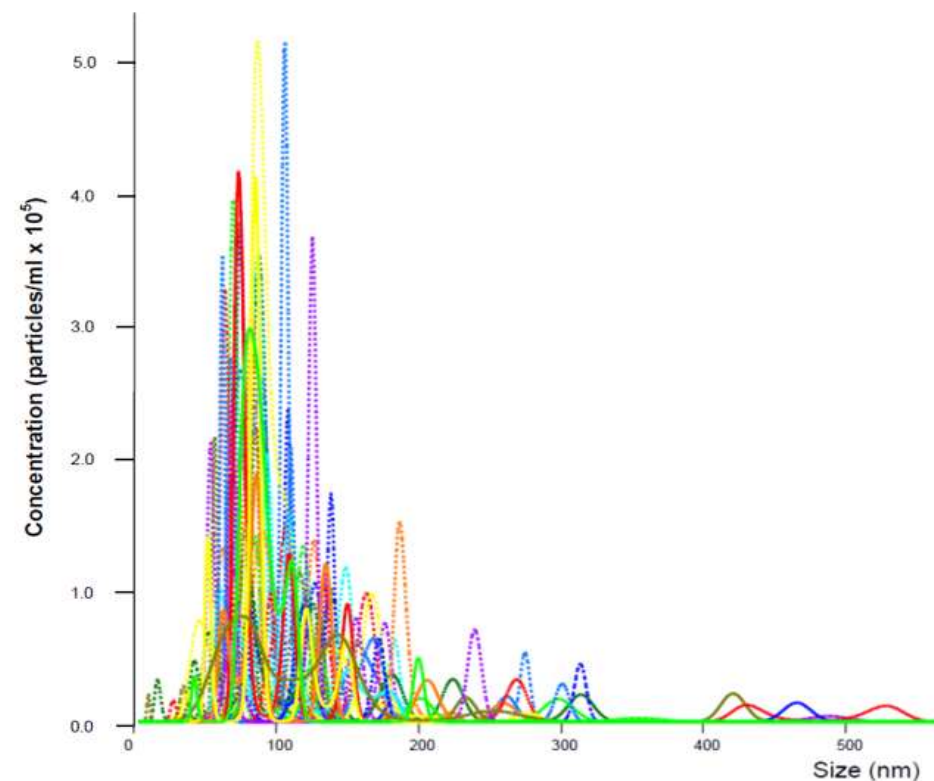


N.T.A. Nano Tracking Analysis.

Figure 5: Comparison of number of particles in pure Lactose 30C and Cuprum metallicum 30C.

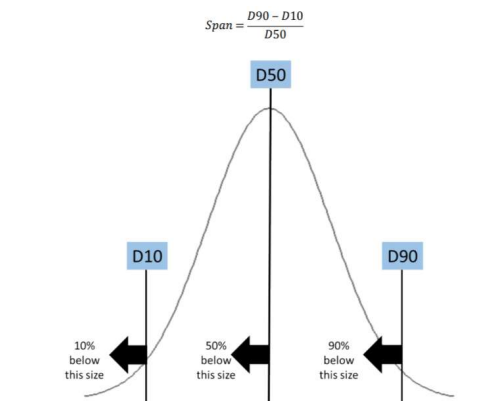
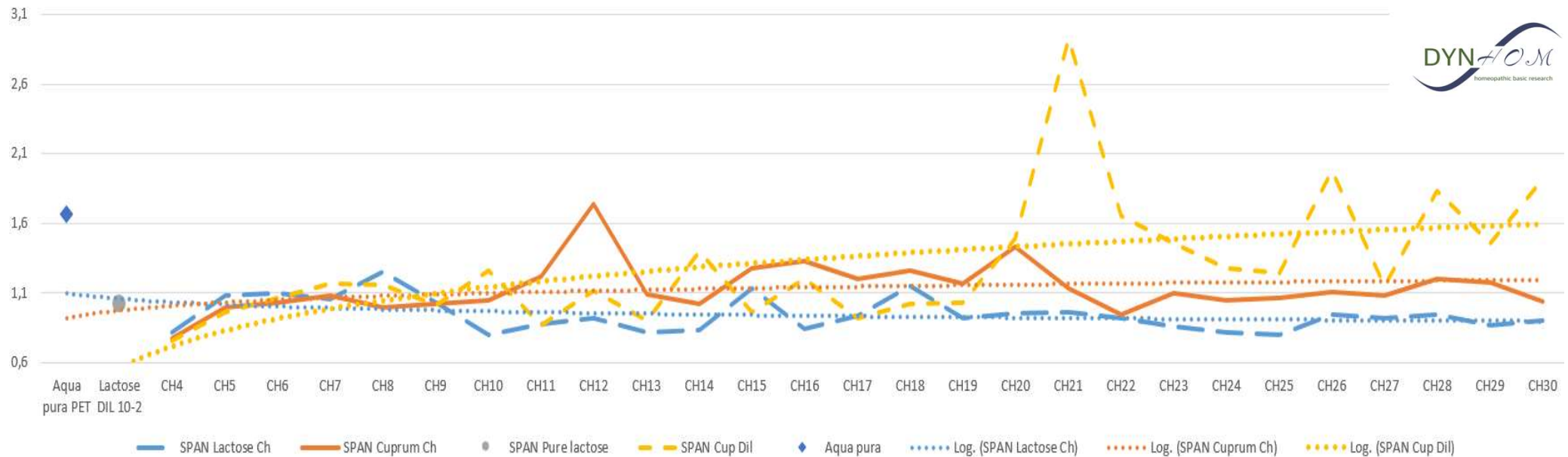


Lactose 30C, 6 pooled manufacturing lines (a,b,c,d,e,f);
(a) = $7.64 \times 10^6 \pm 6.06 \times 10^5$ particles/ml



Cuprum 30C, 6 pooled manufacturing lines (a,b,c,d,e,f).
(a) = $8.49 \times 10^6 \pm 5.79 \times 10^5$ particles/ml

SPAN (DL90-DL10)/DL50 Lactose CH versus Cuprum CH pooled 6 manufacturing lines

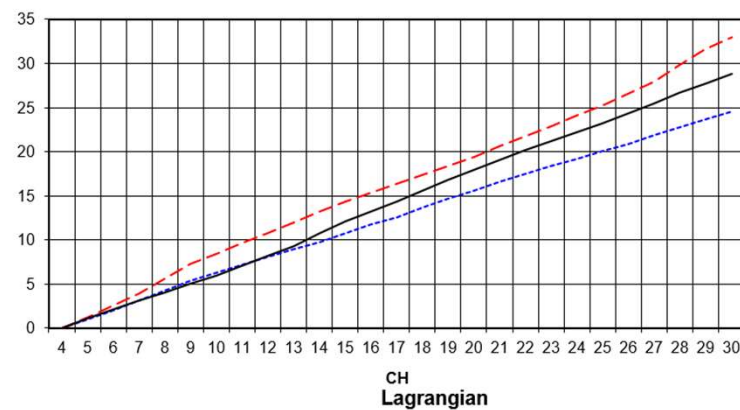
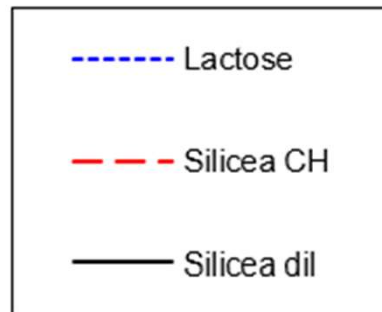


NTA: This SPAN parameter gives a more precise idea of the extent of the volume distribution of the particles observed (one of their QUALITIES). For the full manufacturing lines, the t-value is 2.68975. The p-value is .004154. The result is significant at $p < .05$.

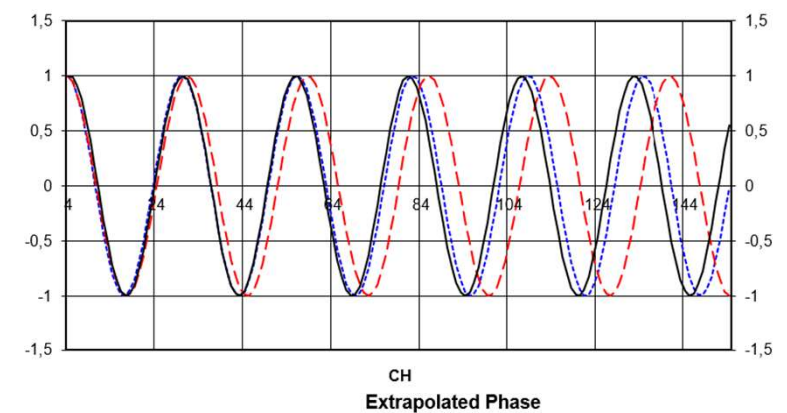
We can therefore differentiate the QUALITY of the particles of a copper dynamization compared to the "placebo" dynamized lactose or simply diluted copper. Same calculation from 10CH up to 30 CH. The t-value is 3.6507. The p-value is .00023. The result is significant at $p < .001$.

N.T.A. Nano Tracking Analysis.

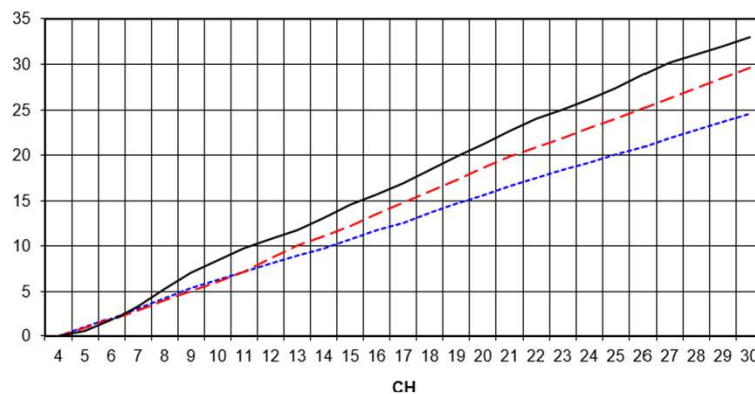
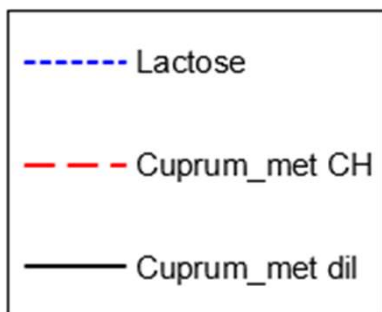
Lagrangian



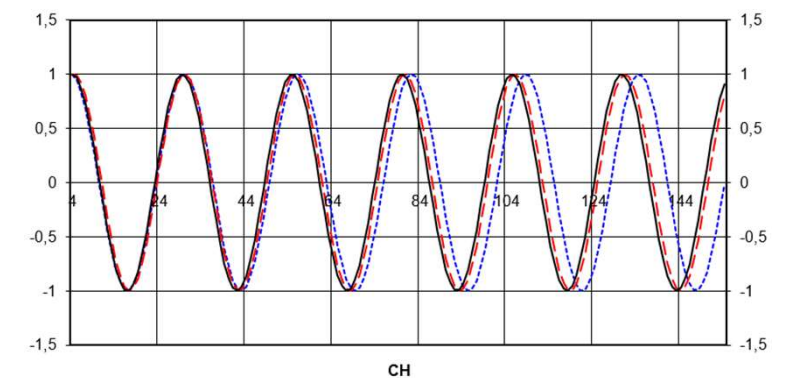
Extrapolated Phase



Lagrangian



Extrapolated Phase



Publications

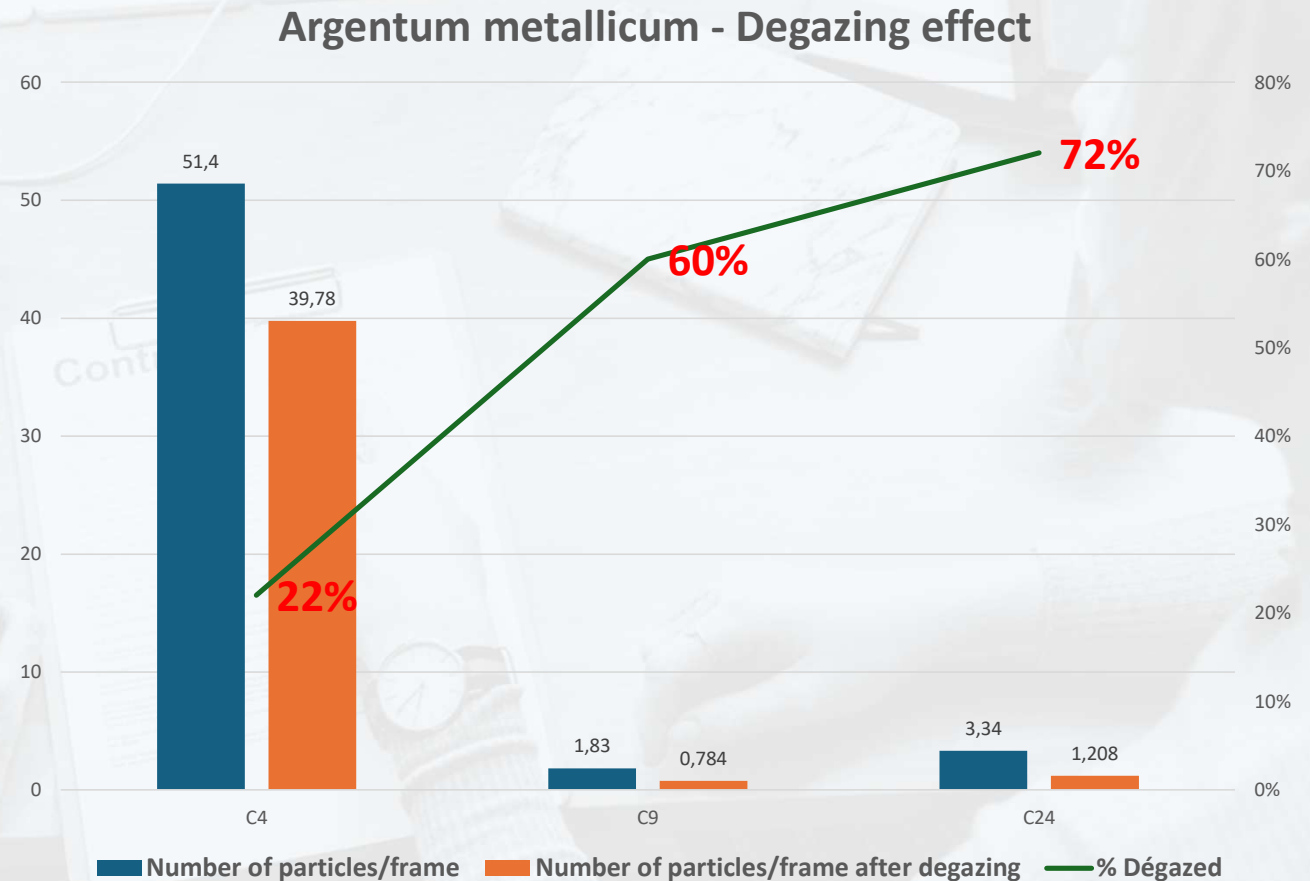
1. **Particle Characterisation of Traditional Homeopathically Manufactured Medicine Cuprum metallicum and Controls. Michel Van Wassenhoven, Martine Goyens, Pierre Dorfman, Philippe Devos.** *International Journal of High Dilution Research* 2021; 20(4):11-28
2. **The Ion Partition Detected in Homeopathically Manufactured Medicine Cuprum metallicum and Controls . Michel Van Wassenhoven, Bernard Nysten, Martine Goyens, Pierre Dorfman, Philippe Devos, Delphine Magnin.** *International Journal of High Dilution Research* 2022; 21(cf): 67-84
3. **Characterisation of aqueous ultra-high homeopathic potencies: nanoparticle tracking analysis. Michel Van Wassenhoven, Martine Goyens, Pierre Dorfman, Philippe Devos, Jean-Louis Demangeat.** *Homeopathy* 2024; HOMP-D-24-00014
4. **Nano particles or Nano bubbles?** *To be published soon !*

Dr Michel Van Wassenhoven



N.T.A. Nanoparticules versus Nanobulles

The higher the dilution/dynamization, the more the nanomaterial is replaced by nanobulls of the same quantity, size and size distribution.



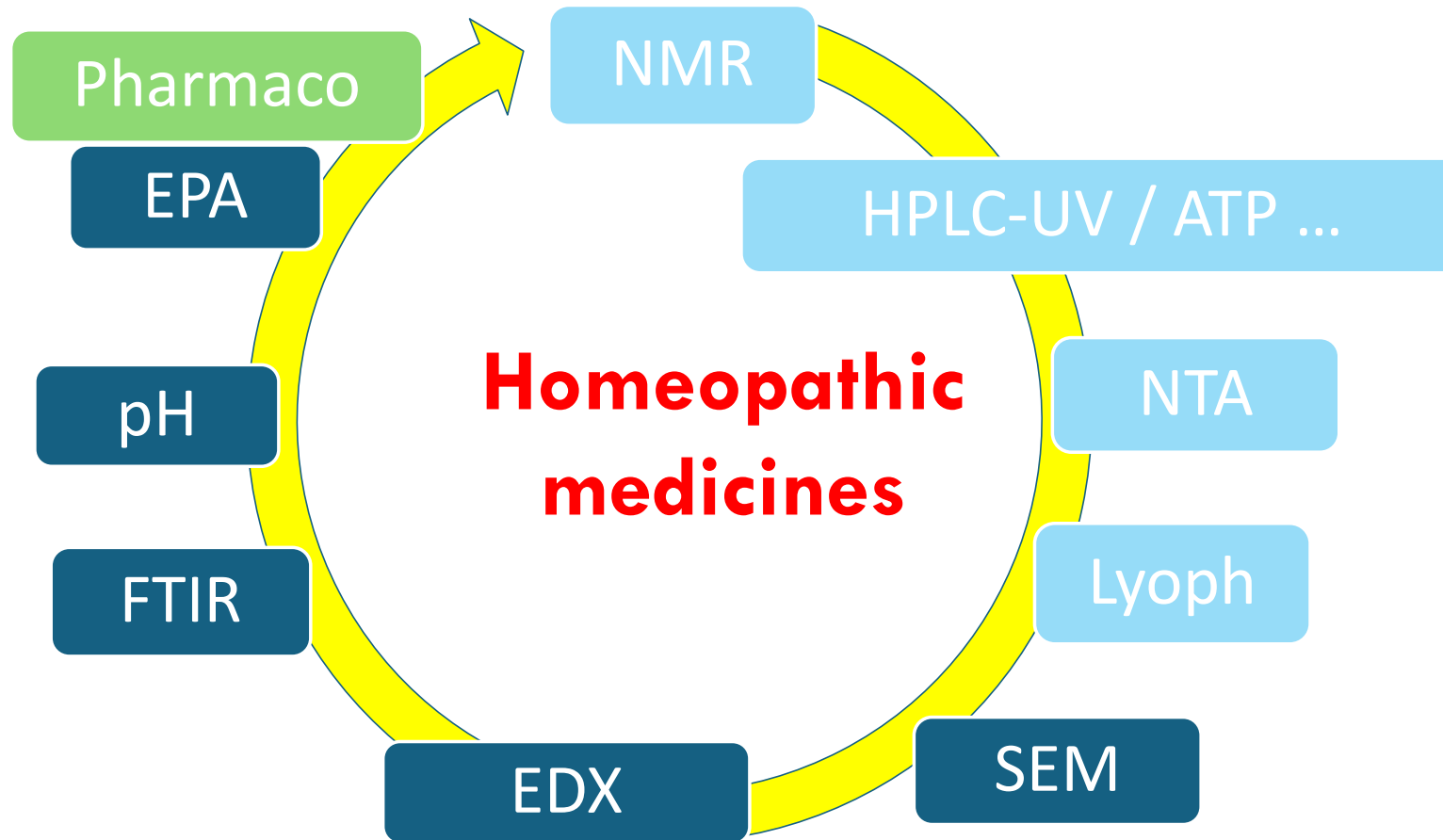
Take away Message 3

N.T.A. Nano Tracking Analysis.

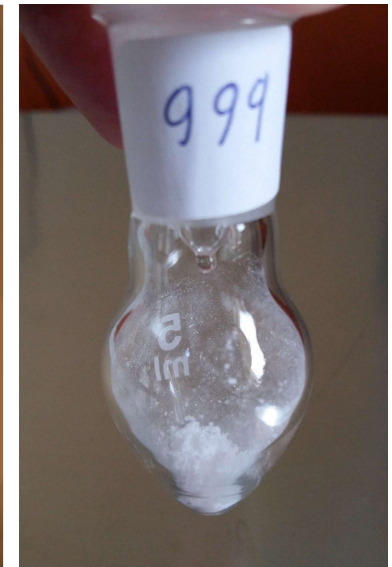
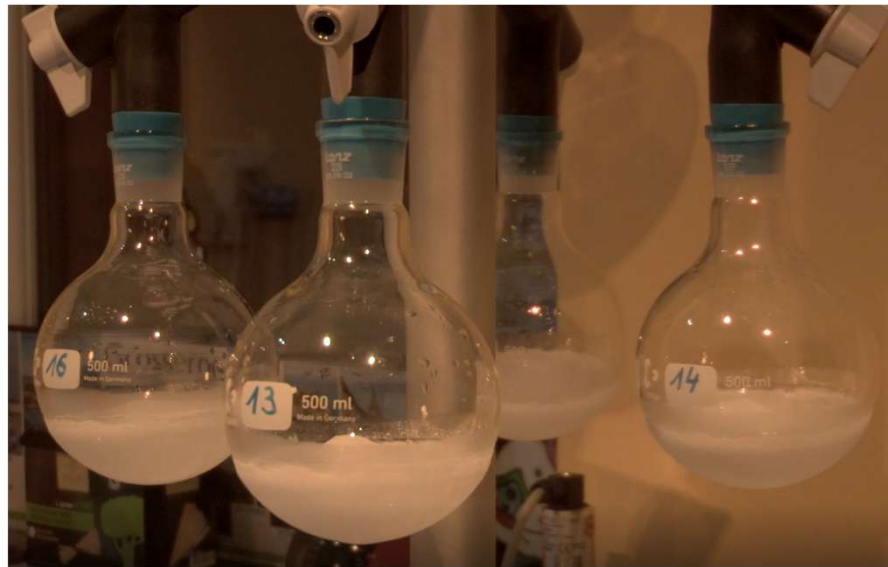
- ✓ Presence of nanoparticles in all homeopathic drugs in solution is definitely proven.
- ✓ The particle size distribution depends on the raw material used and its manufacturing method.
- ✓ Initially, the nature of particles is a mixture of material and nanobulls. Material is replaced step by step. During the potentiation process, nanobulls of the same size gradually replace the material.



DynHom Research Program



Lyophilisation



Medicines	Dilution/Potentization		Means U/g - µg/g
Lactose	CH	6 up to 30 C	16,84 – 0,6
Solvent (pure water)	CH	6 up to 30 C	61,97 – 2,4
Ethanolinum	CH	6 up to 30 C	59,55 – 2,3
Cuprum met.	CH	6 up to 30 C	37,08 – 1,4
	Simply Diluted	10 ⁻¹² to 10 ⁻⁶⁰	45,40 – 1,7
Silicea terra	CH	6 up to 30 C	68,72 – 2,7
	Simply Diluted	10 ⁻¹² to 10 ⁻⁶⁰	54,48 – 2,1
Kalium mur.	CH	6 up to 30 C	45,82 – 1,7
	Simply Diluted	10 ⁻¹² to 10 ⁻⁶⁰	58,38 – 2,3
Argentum met.	CH	6 up to 30 C	48,84 – 1,9
	Simply Diluted	10 ⁻¹² to 10 ⁻⁶⁰	43,08 – 1,7
Gelsemium semp.	CH	2 up to 30 C	44,72 – 1,7
	Simply diluted	10 ⁻⁴ to 10 ⁻⁶⁰	43,96 – 1,7
Pyrogenium	CH	3 up to 30 C	54,68 – 2,1
	Simply diluted	10 ⁻⁶ to 10 ⁻⁶⁰	44,11 – 1,7
Arnica montana	CH	2 up to 30 C	61,52 – 2,5
	Simply diluted	10 ⁻⁴ to 10 ⁻⁶⁰	35,21 – 1,3
Aqua PET (control)	CH	1 up to 30 C	51,17 – 1,9
Aqua pura	-	-	<10 = N.S.

Message à emporter 4

Lyophilisation

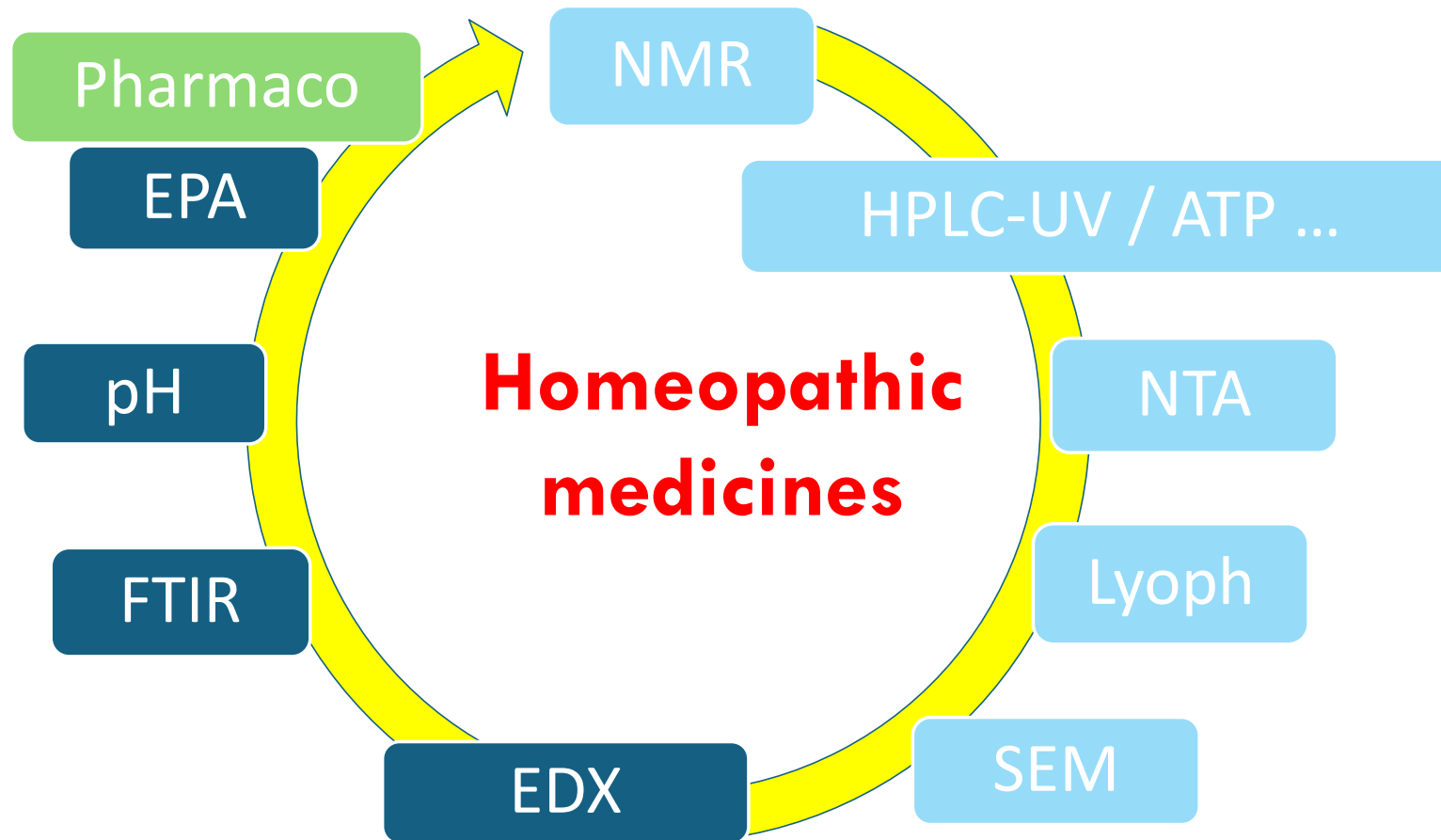
✓ The presence of dry matter after lyophilization of any homeopathic drug is undeniable.

✓ Publications see SEM-EDX-FTIR

Dr Michel Van Wassenhoven



DynHom Research Program



Dr Michel Van Wassenhoven



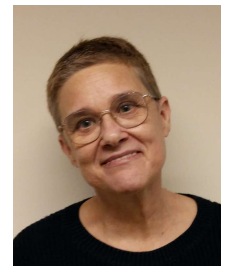
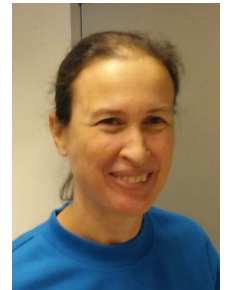


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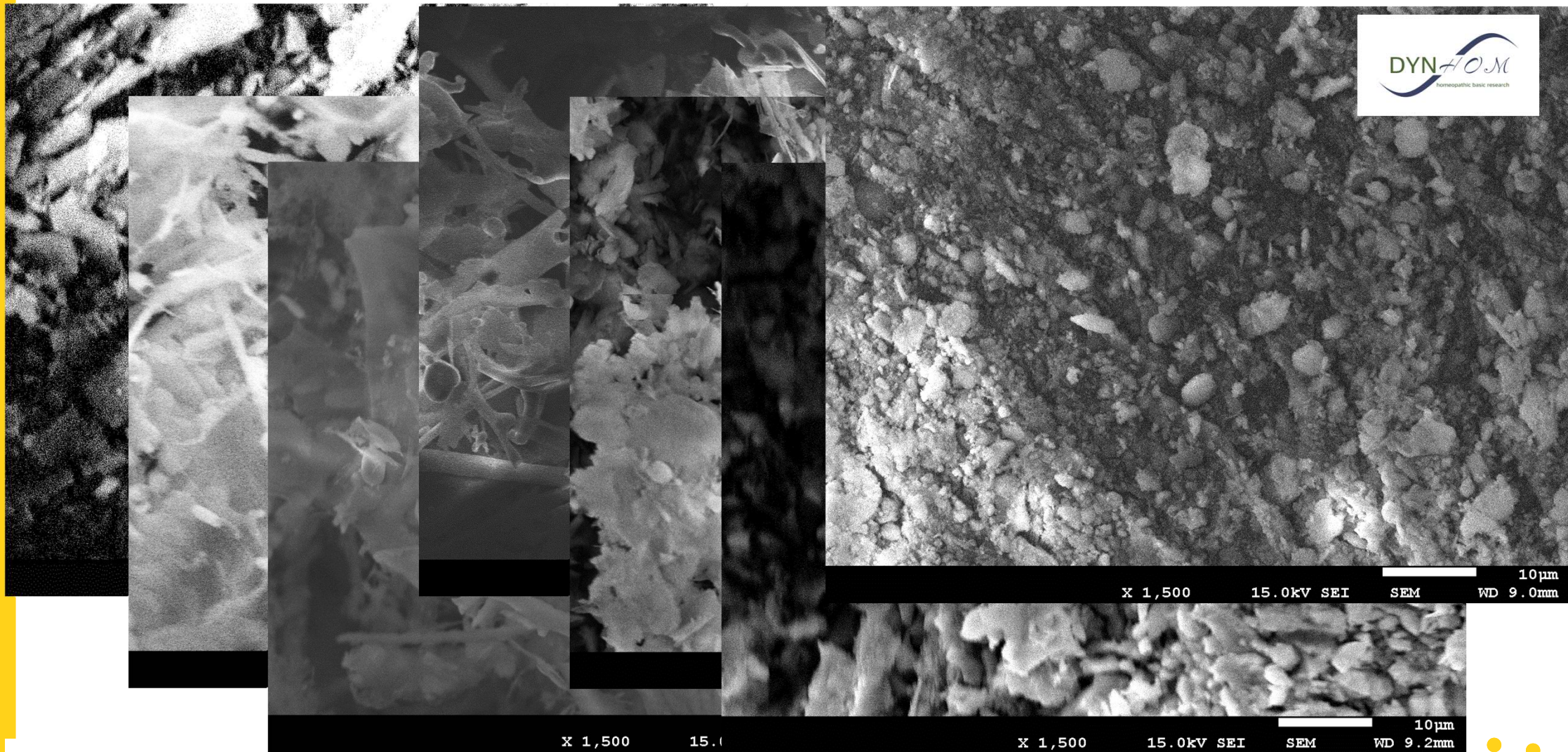
SEM : Scanning Electron Microscopy



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APMH 2025



LACT 24CH

ARG- 24CH

GELS 24CH

SIL 24CH

PYRO 24CH

KALI-M 24CH

CUPRUM 24CH

SEM : Microscope images Cuprum/Silicea 1 to 30 cH

Seminari
"Aggiornamenti su Scienze e
Omeopatia" - Verona, Autunno 2019
gennaio 2022

CHARACTERIZATION OF HOMEOPATHIC MEDICINES

- SEM SCANNING ELECTRON MICROSCOPY
- SEM = MORPHOLOGY OF THE LYOPHILISATES OF HOMEOPATHIC SOLUTIONS:



**Institute of Condensed
Matter and Nanosciences
IMCN**

UCL-LLN - Prof. Nysten B.

Take away Message 5

SEM

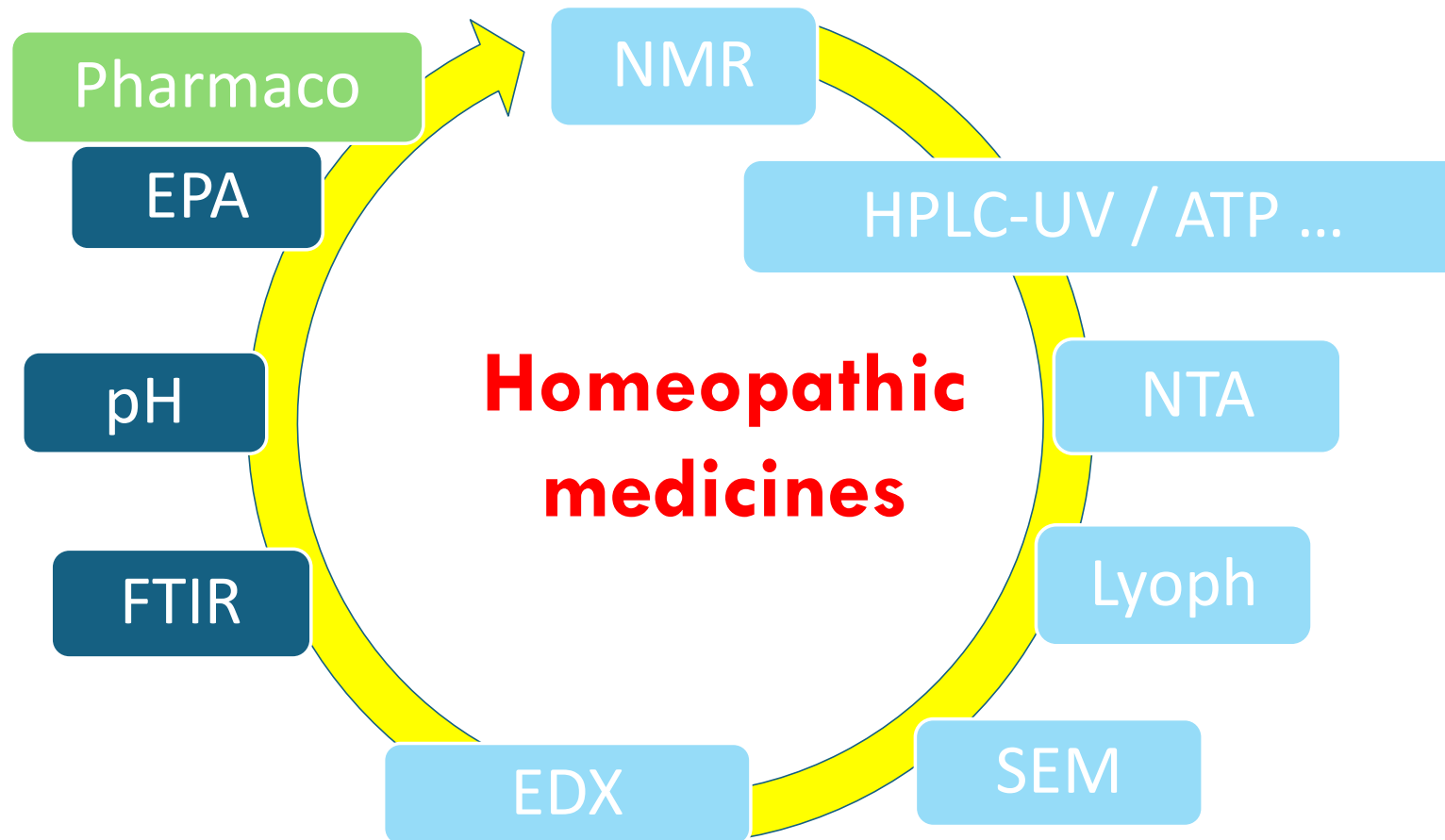
- ✓ Once lyophilized , the crystal structure of the harvested dry matter is specific to the raw material used for the manufacture of a homeopathic remedy, also in HHD

- ✓ Publications see EDX-FTIR

Dr Michel Van Wassenhoven



DynHom Research Program





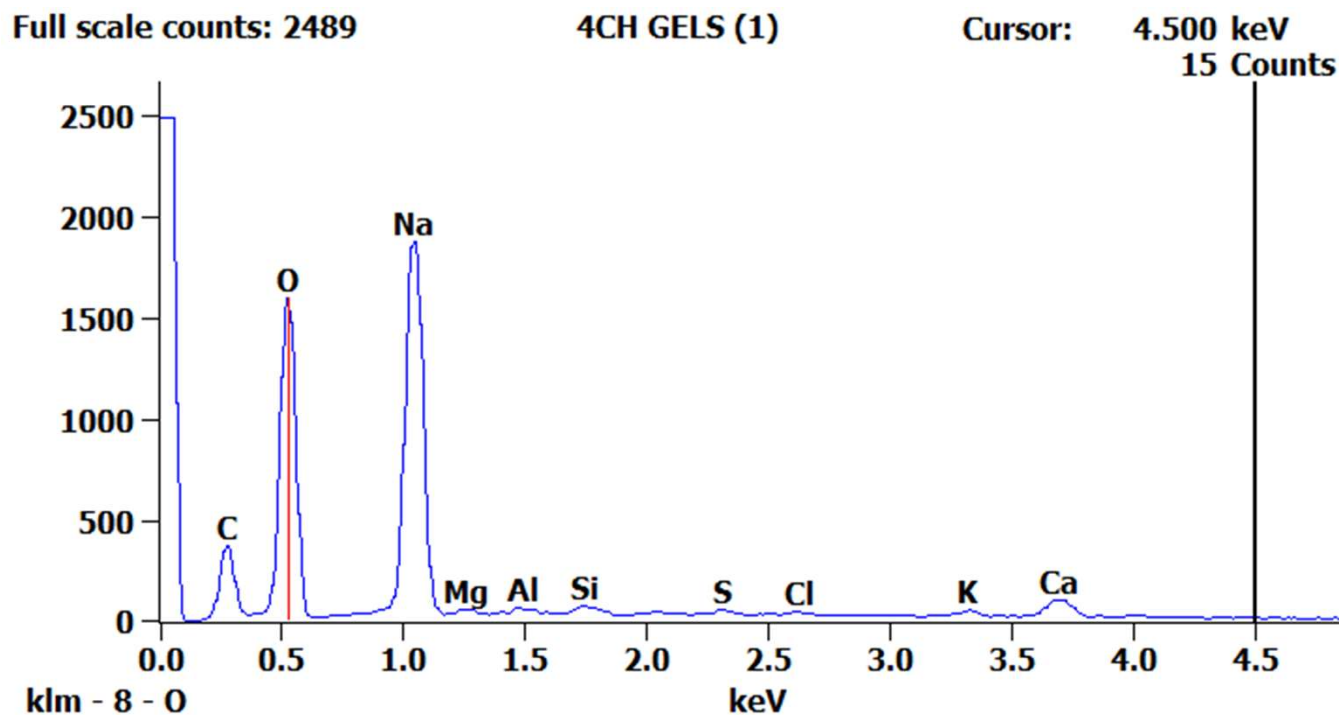
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EDX or EDS of LYOPHYLIZATES

Energy Dispersive X-Ray Analysis



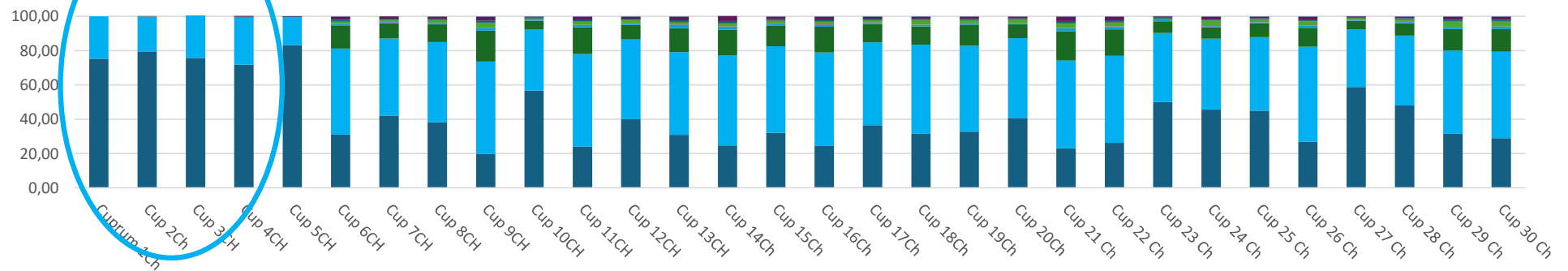
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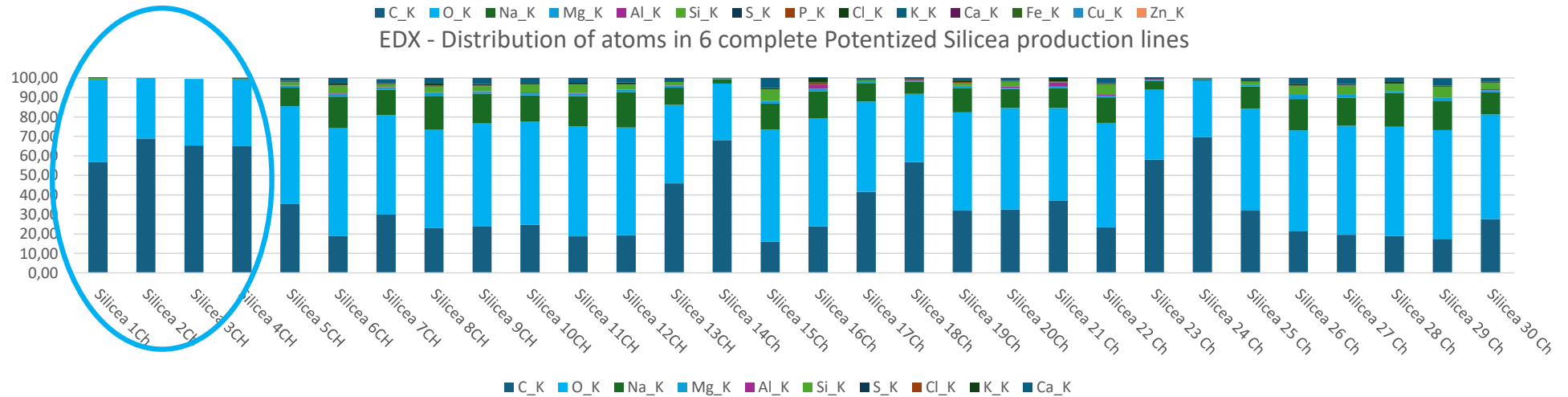
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EDX Cuprum vs Silicea

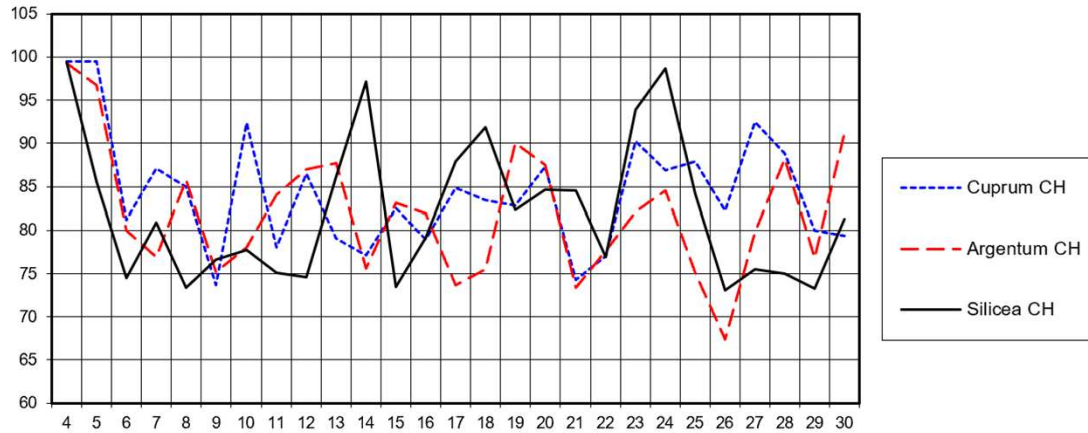
EDX - Distribution of atoms in 6 complete Potentized Cuprum production lines



EDX - Distribution of atoms in 6 complete Potentized Silicea production lines



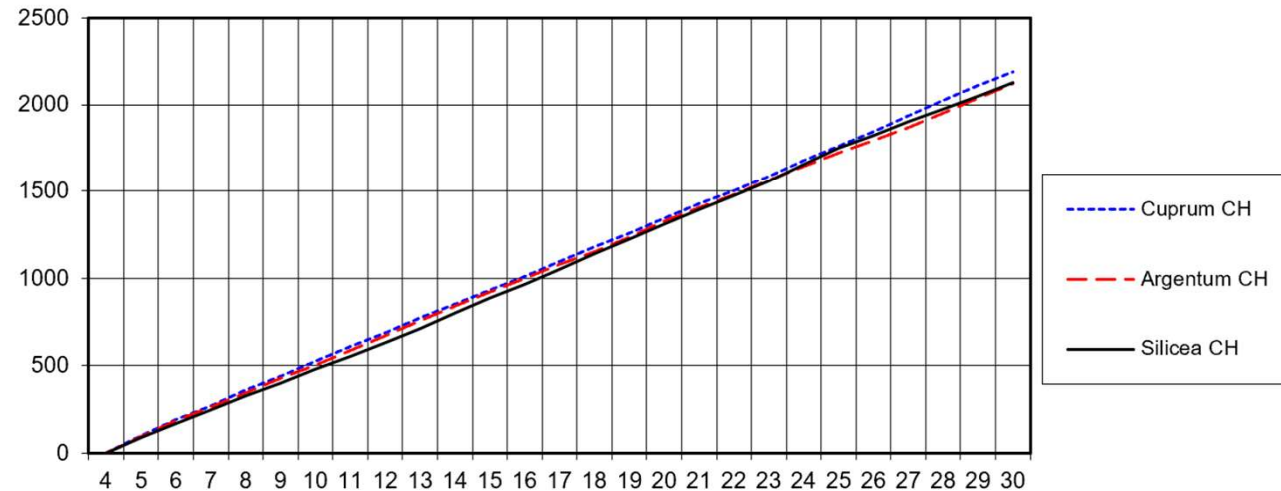
EDX Métaux Carbone + Oxygène



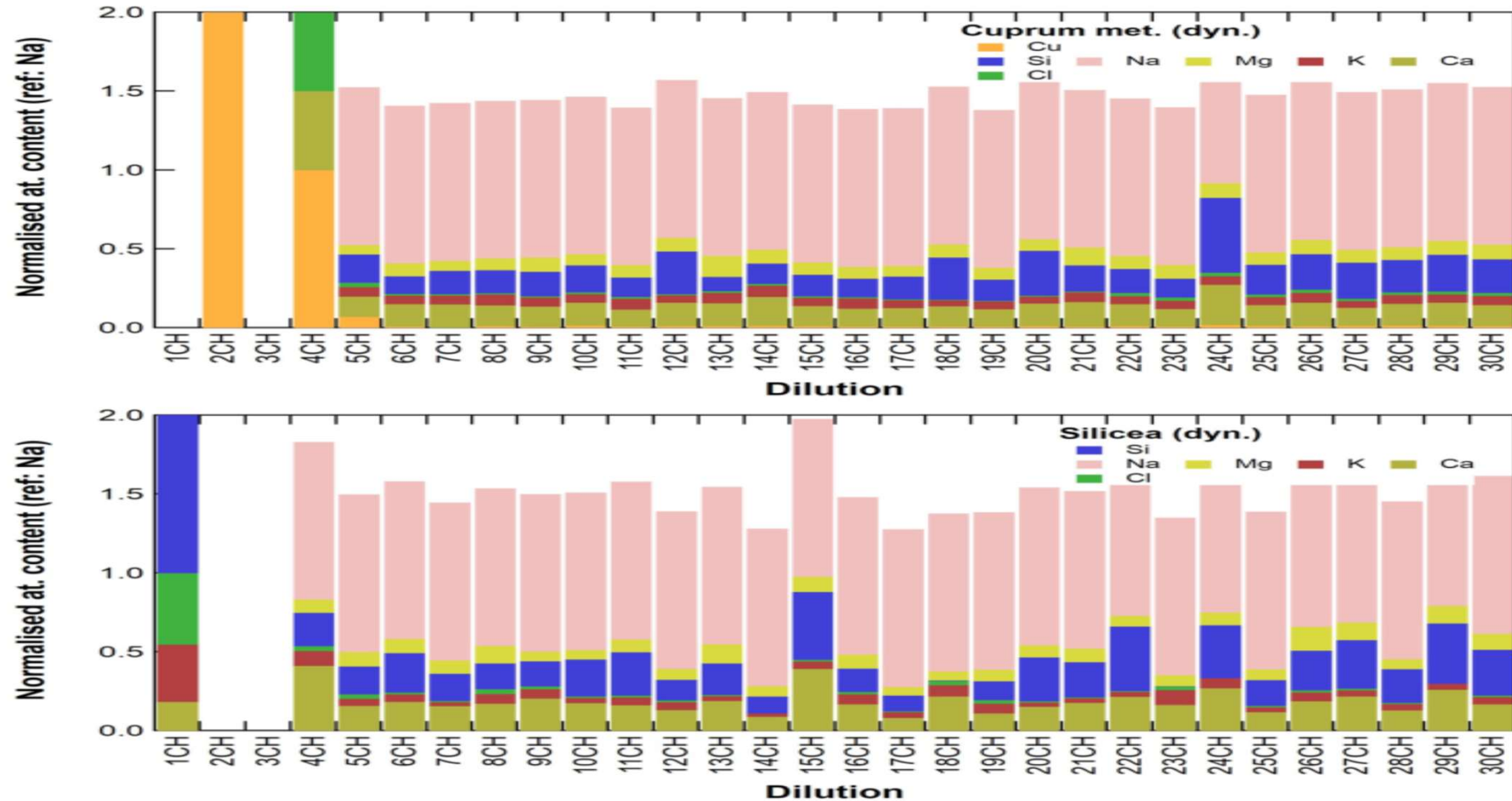
EDX = relative figures ratio

Lagrangian

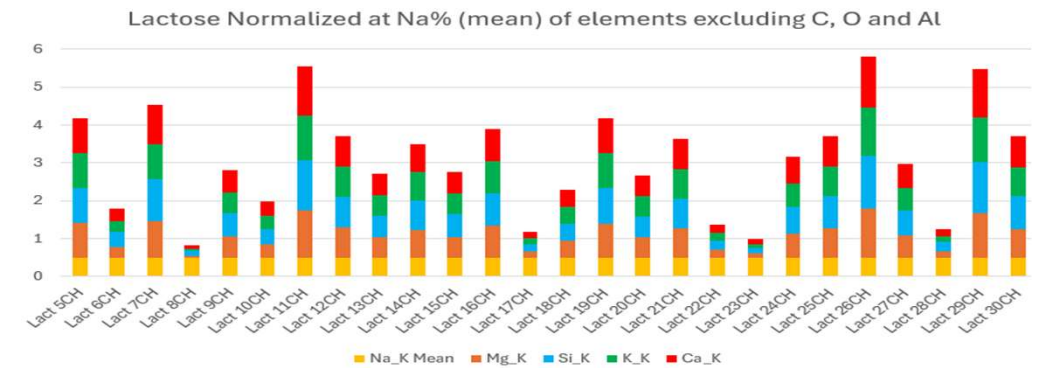
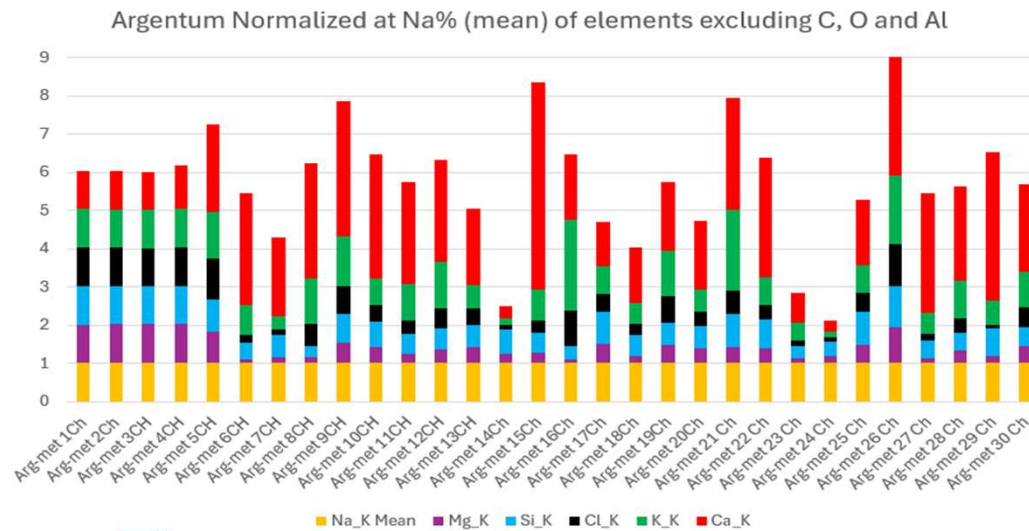
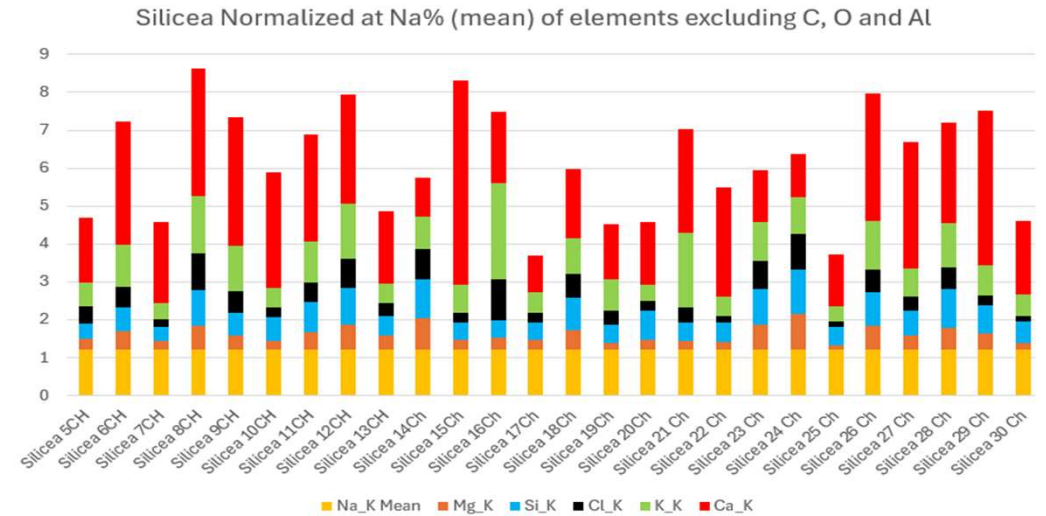
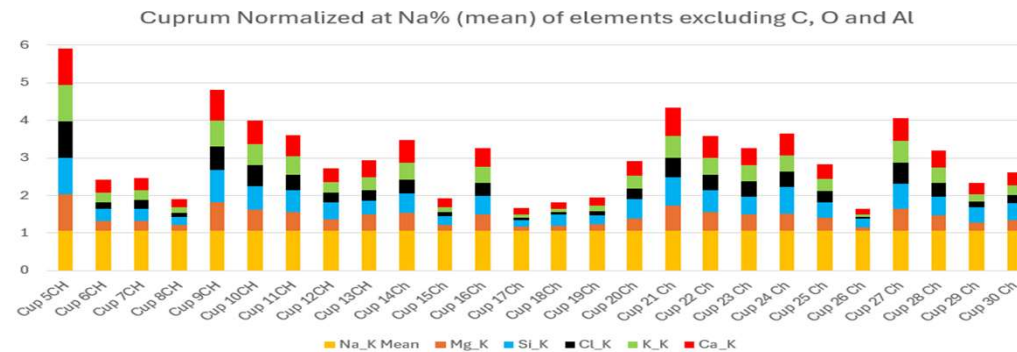
No discrimination
C + O



EDX Cuprum vs Silicea



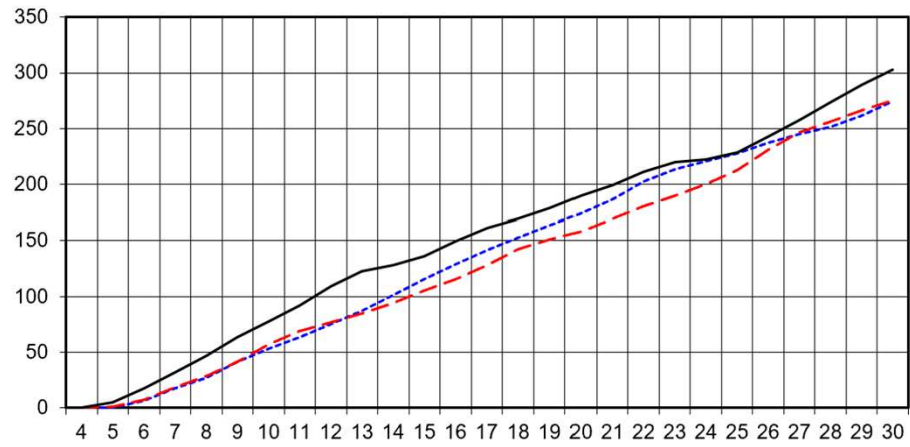
EDX Cuprum-Silicea-Argentum-Lactose control



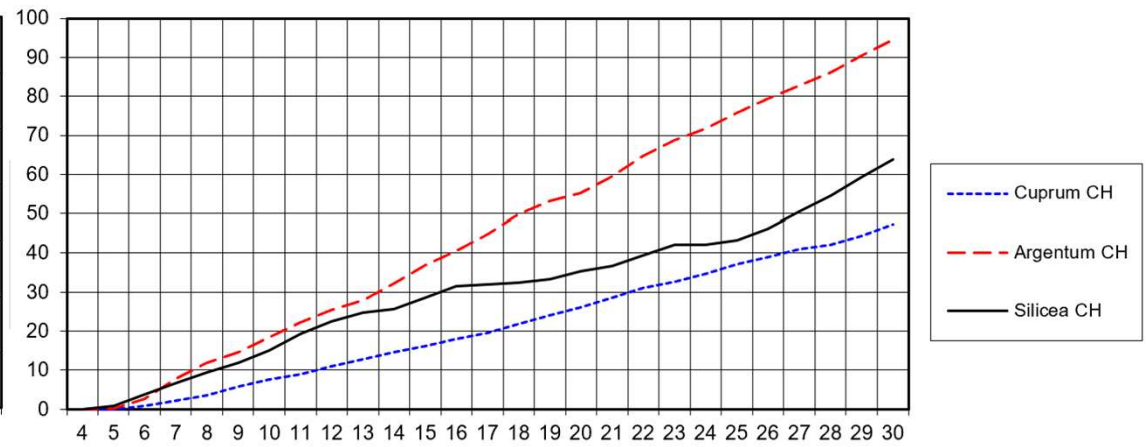
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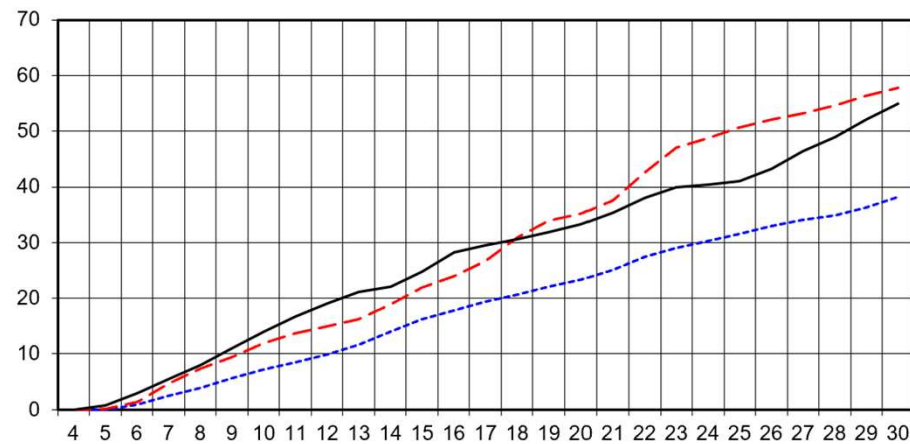
Na



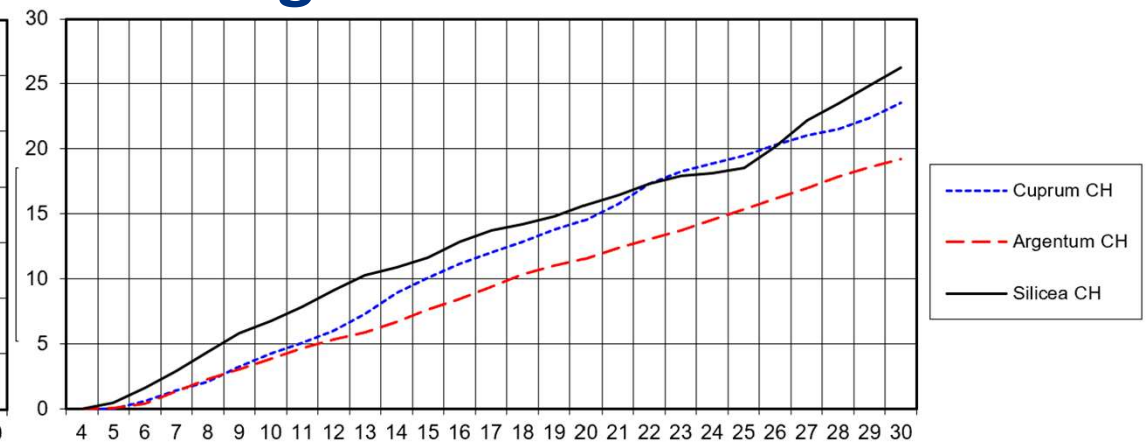
Si



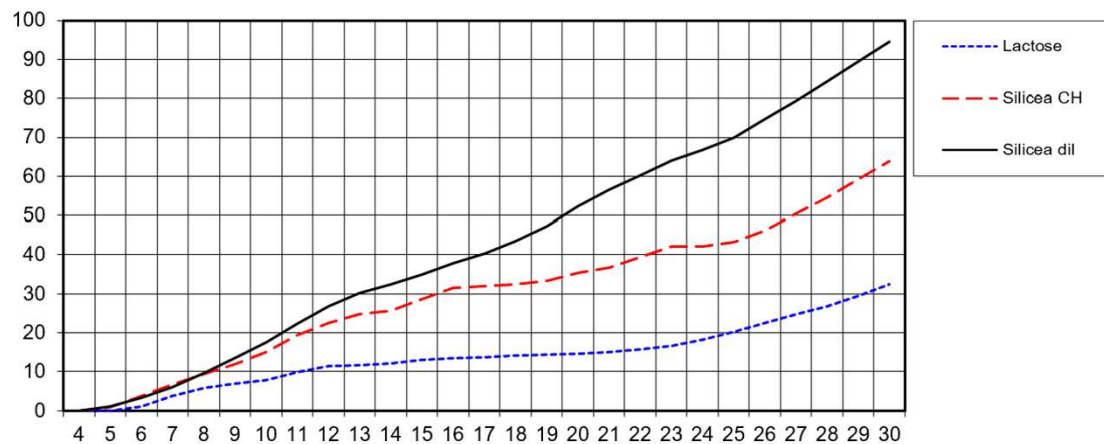
Ca



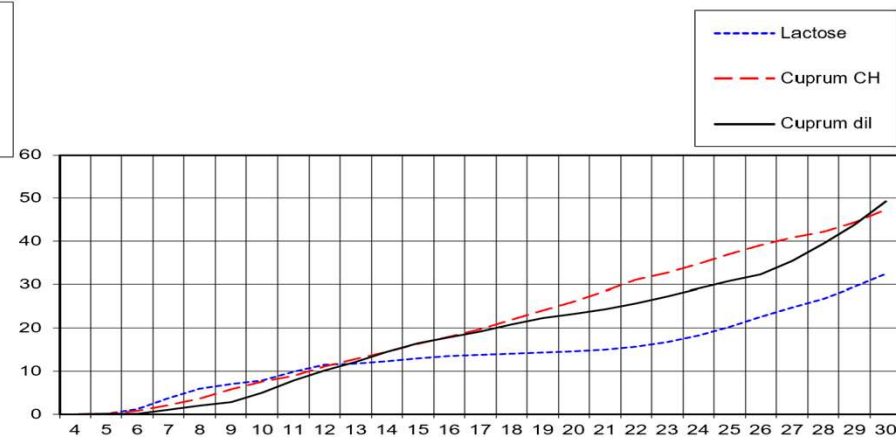
Mg



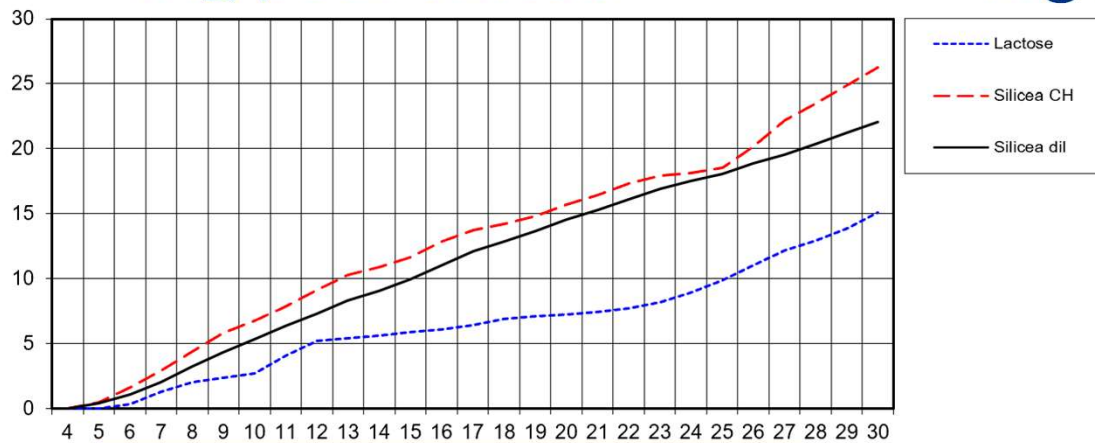
Si pour Silicea



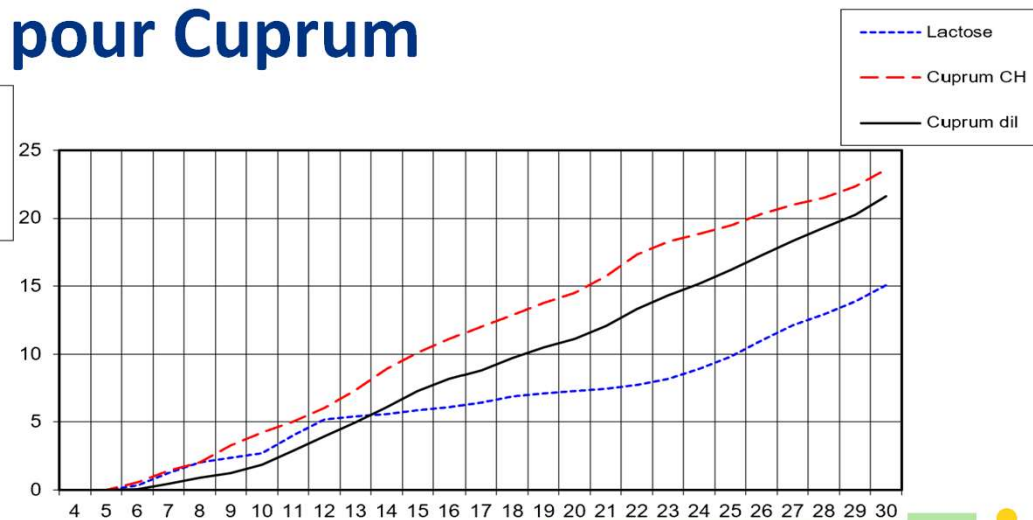
Si pour Cuprum



Mg pour Silicea



Mg pour Cuprum



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take away message 6

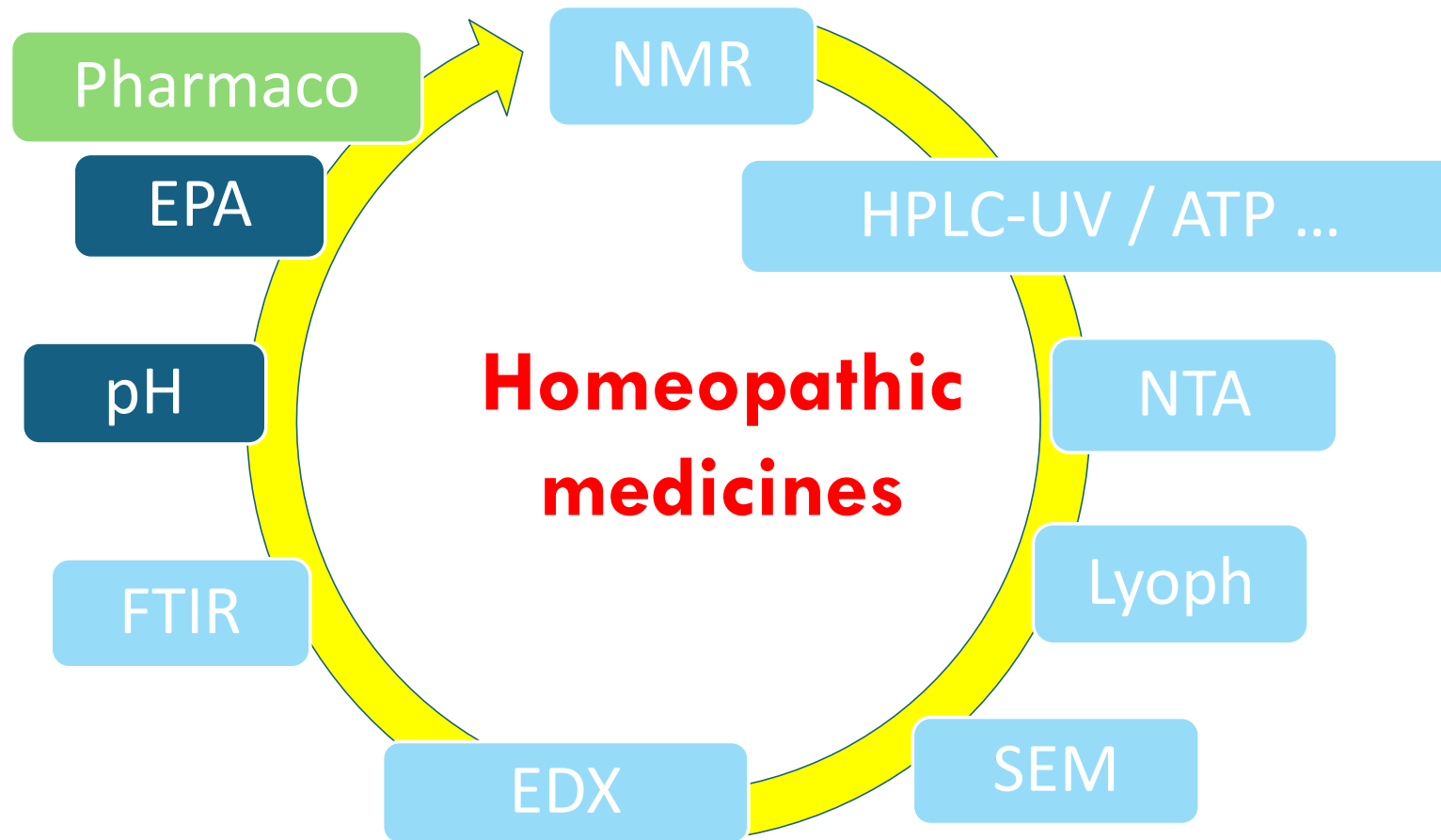
EDX : Energy Dispersive X-Ray Analysis

- ✓ There are specific atomic compositions from one raw material to another, especially in the higher dynamizations.

- ✓ Publications see FTIR



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FTIR:

Fourier-transform infrared spectroscopy



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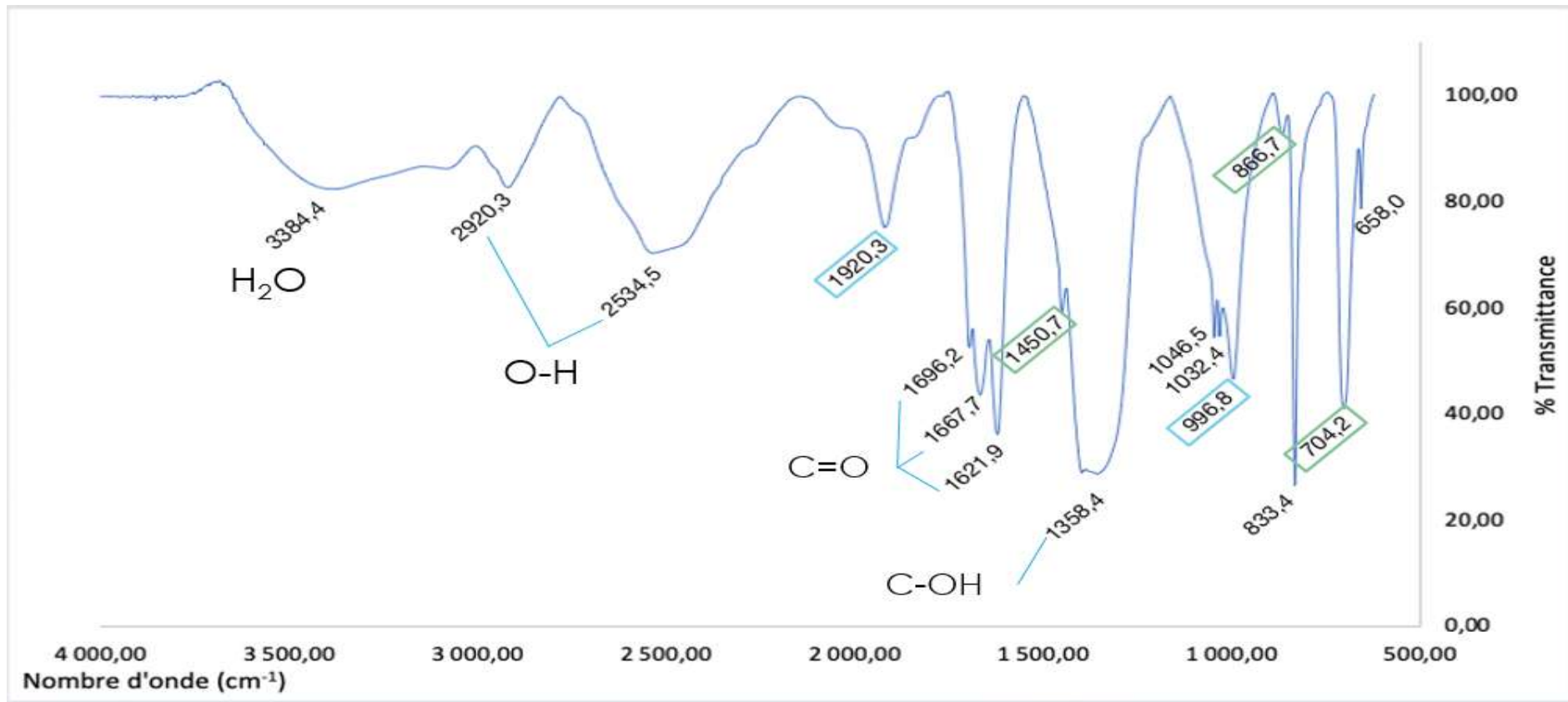
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FTIR: Fourier-transform infrared spectroscopy

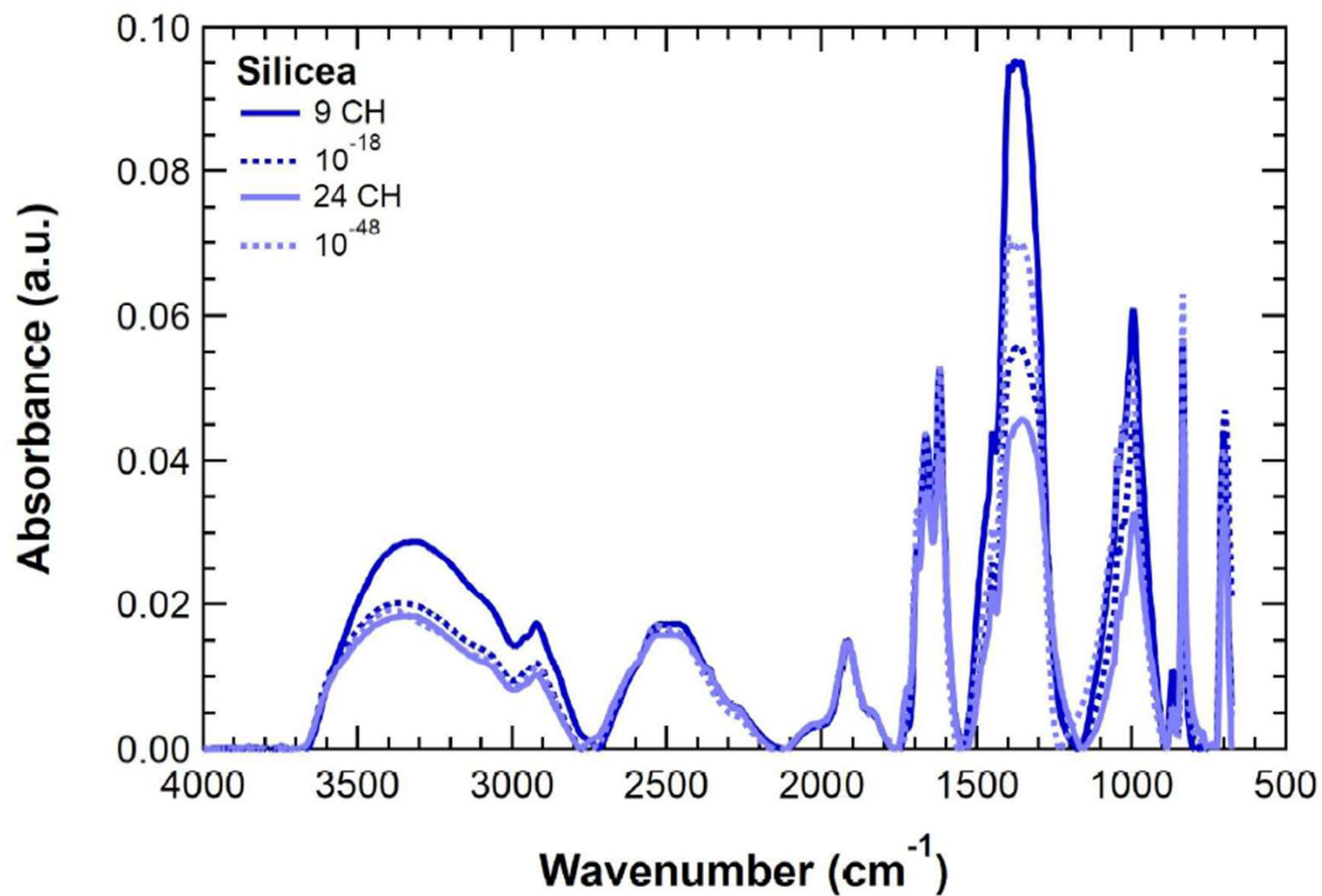
Polarized components contains sodium hydrogen carbonate NaHCO_3

Typical of NaHCO_3

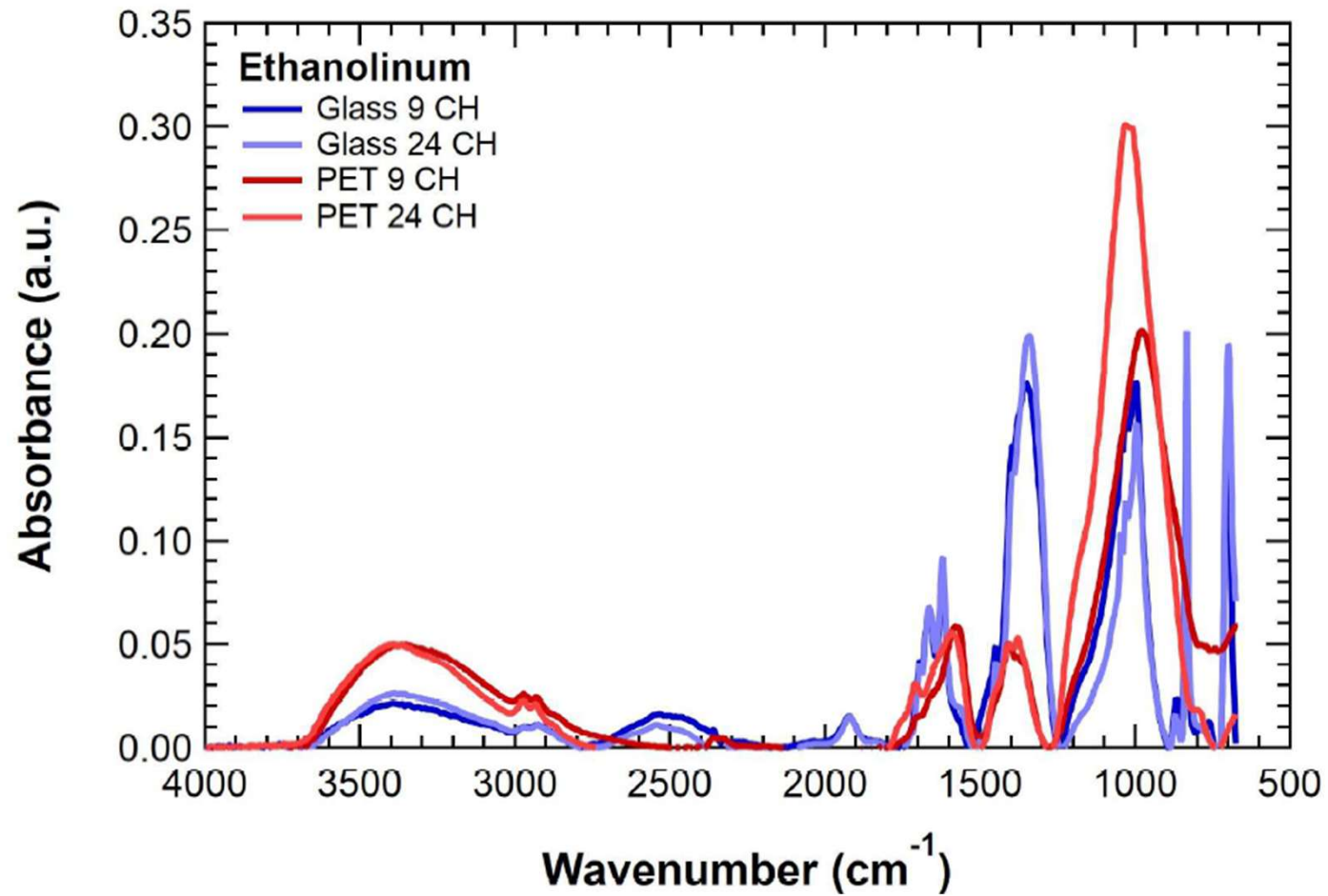
Typical of CO_3^{2-}

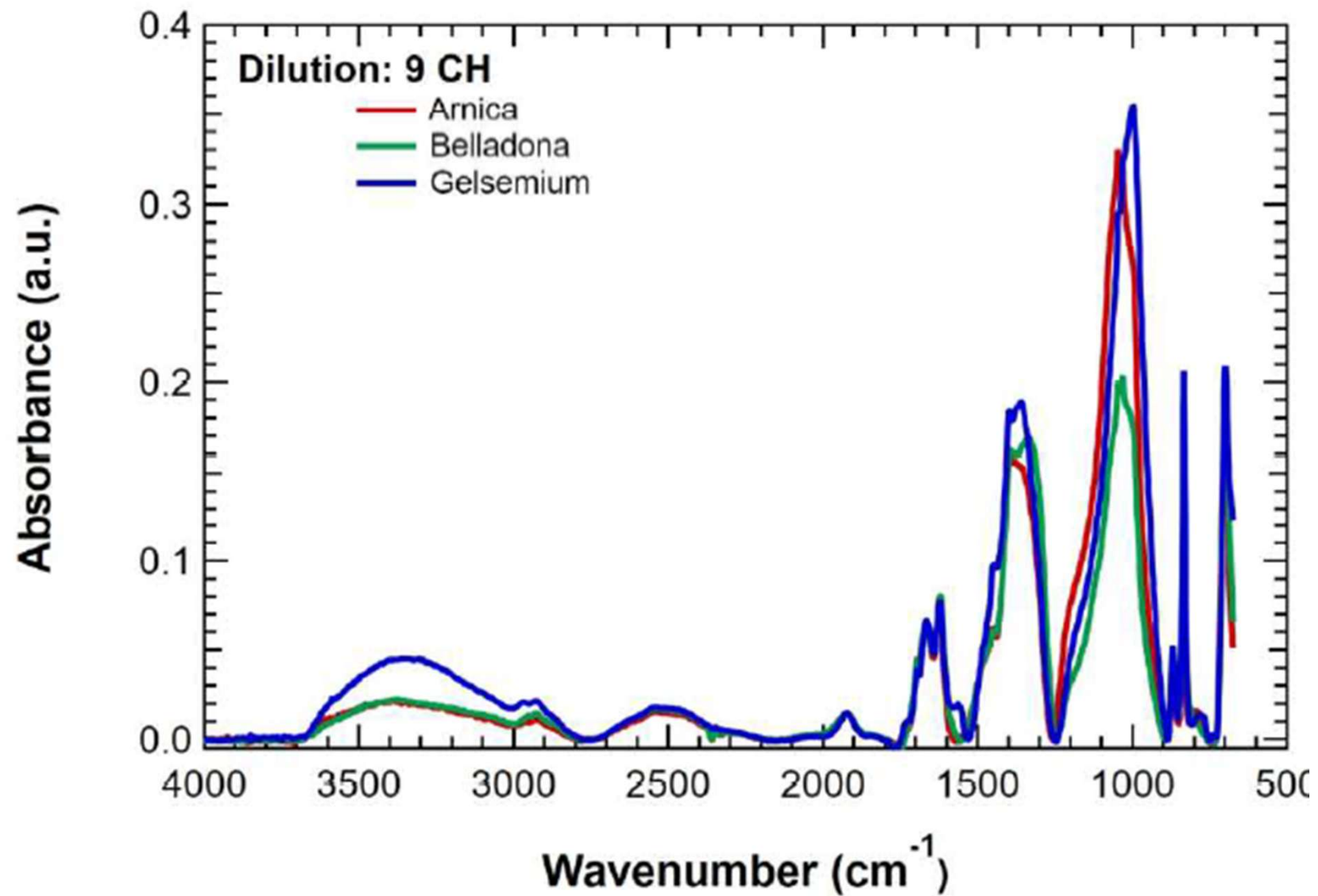


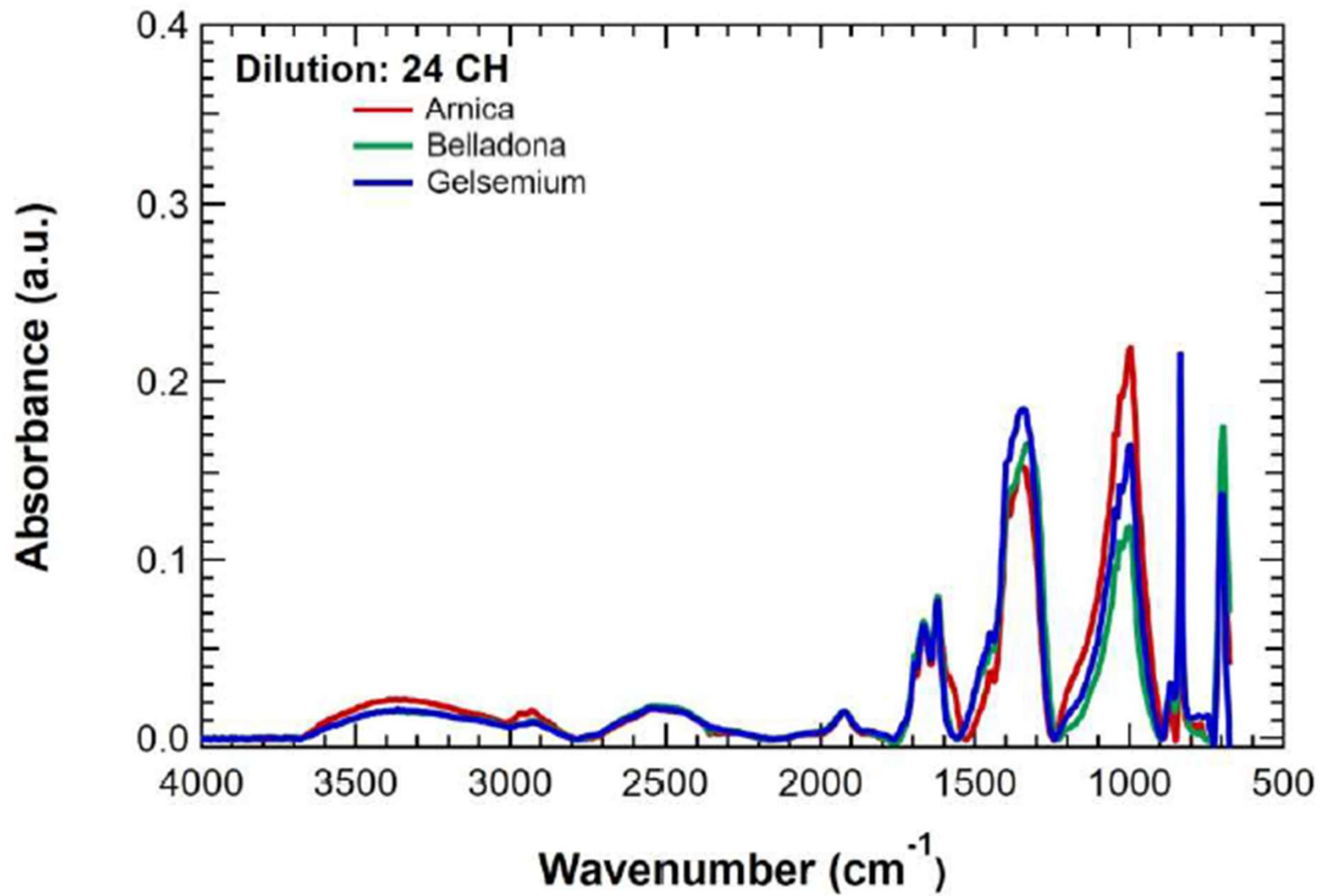
FTIR: Silicea

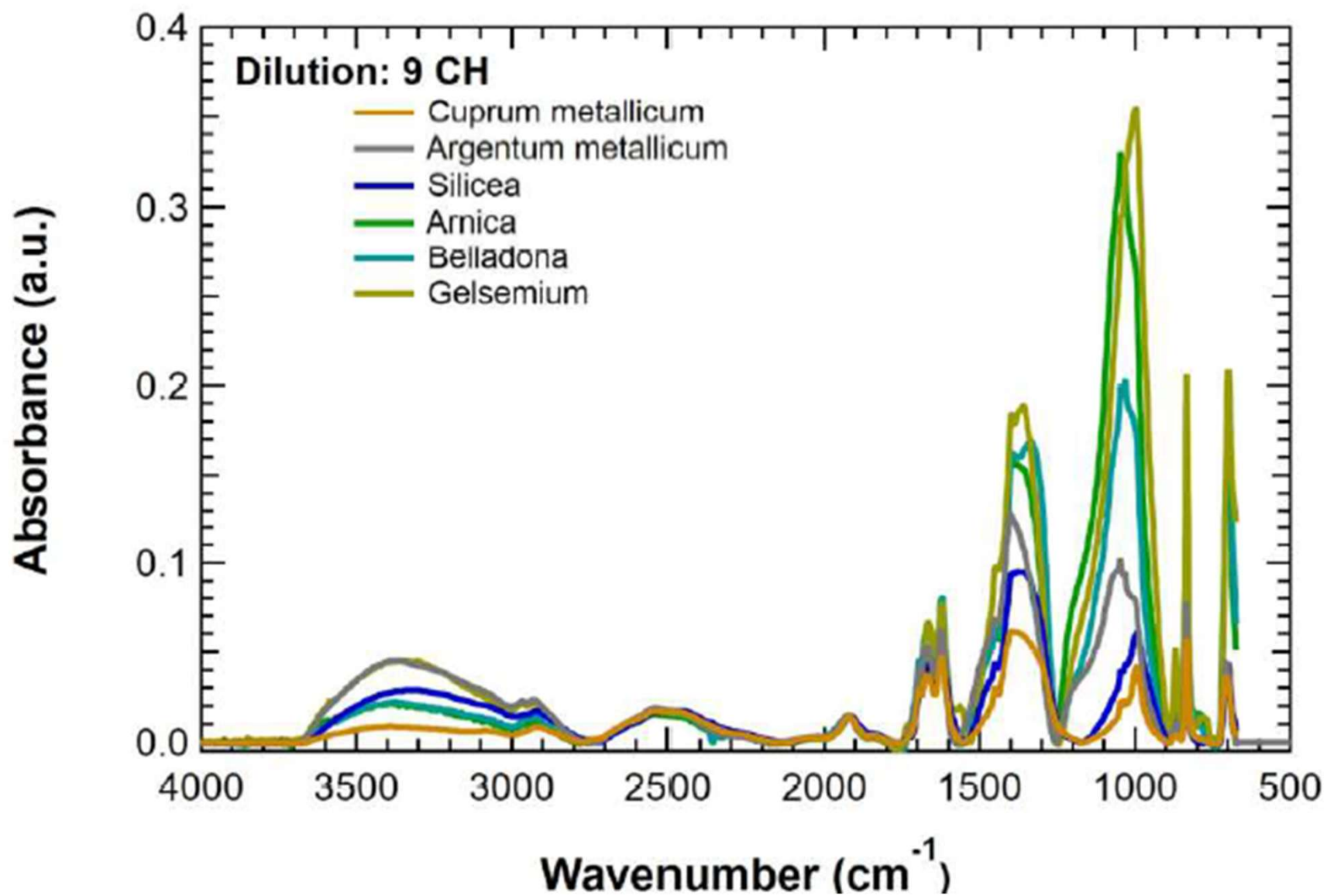


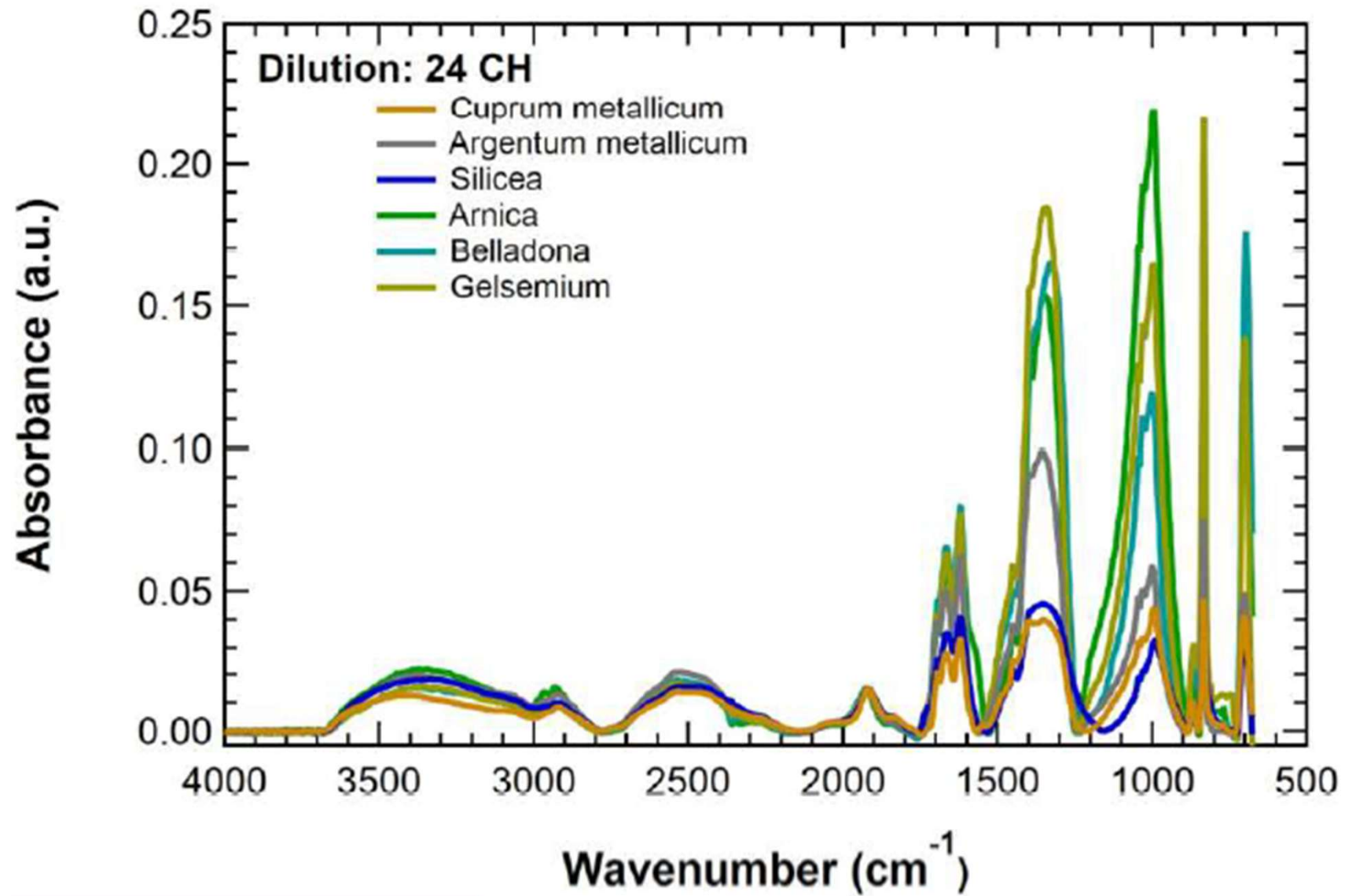
FTIR: Ethanol











Message à emporter 7

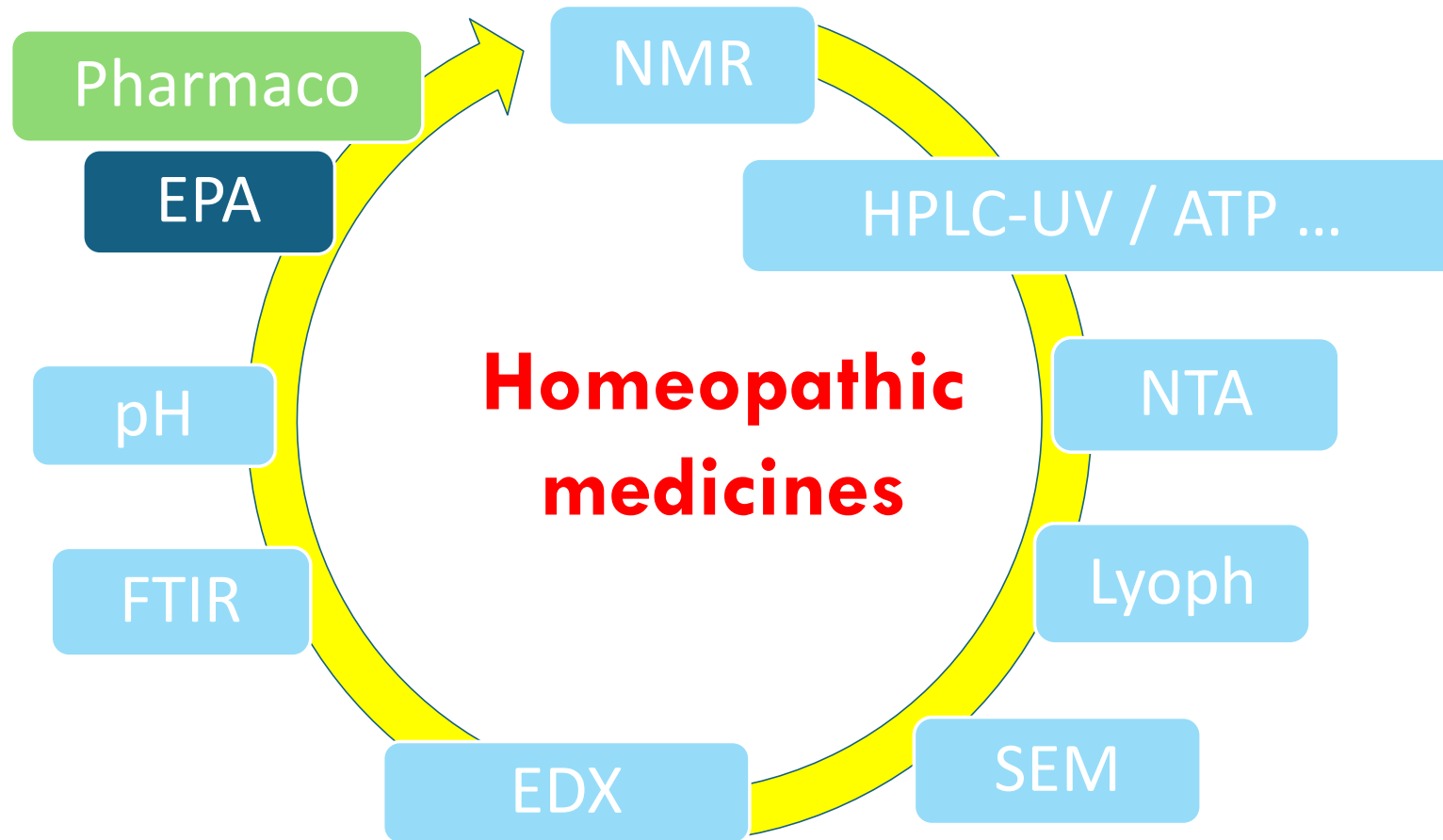
FTIR: Fourier-transform infrared spectroscopy

- ✓ The molecular composition of the lyophilisates of all homeopathic medicines is similar, but with specific proportions of carbonates, alkanes and silicates for each remedy.
- ✓ Sodium bicarbonate is the main component (in glass).
- ✓ **Publication:** The Ion Partition Detected in Homeopathically Manufactured Medicine *Cuprum metallicum* and Controls . Michel Van Wassenhoven, Bernard Nysten, Martine Goyens, Pierre Dorfman, Philippe Devos, Delphine Magnin.
International Journal of High Dilution Research 2022; 21(cf): 67-84
- ✓ *More publications in preparation.*

Dr Michel Van Wassenhoven



DynHom Research Program





Dr Michel Van Wassenhoven

PH



Metrohm
Belgium

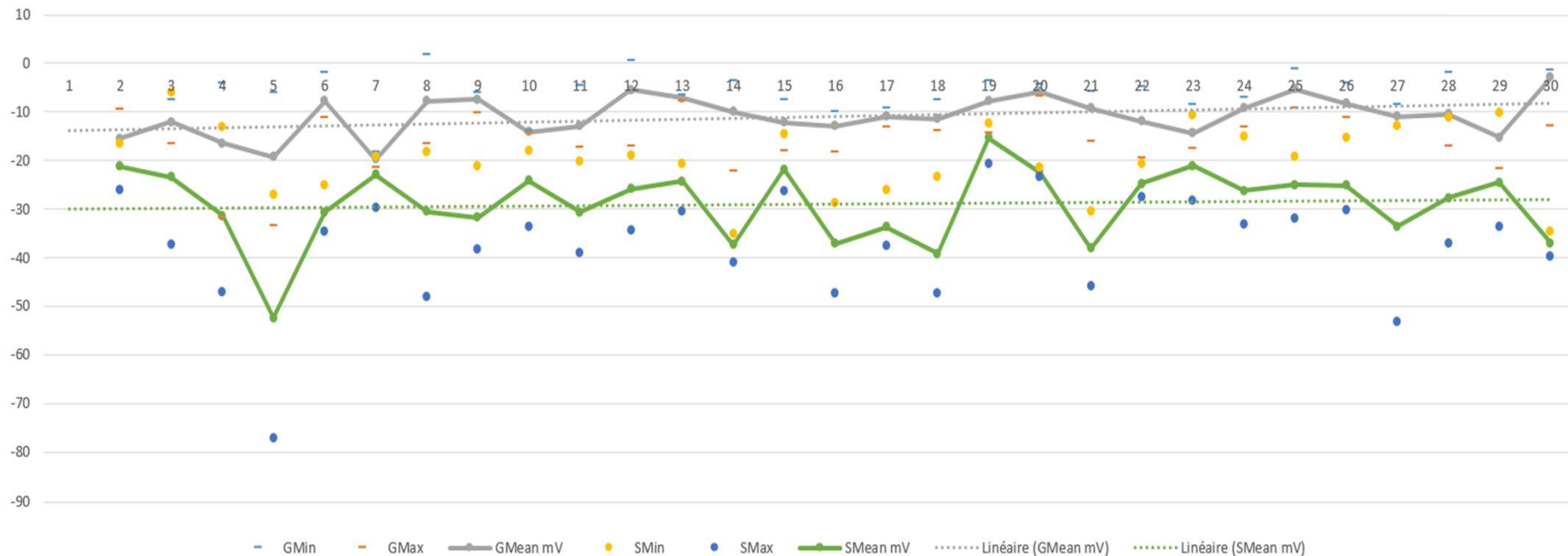


APMH 2025



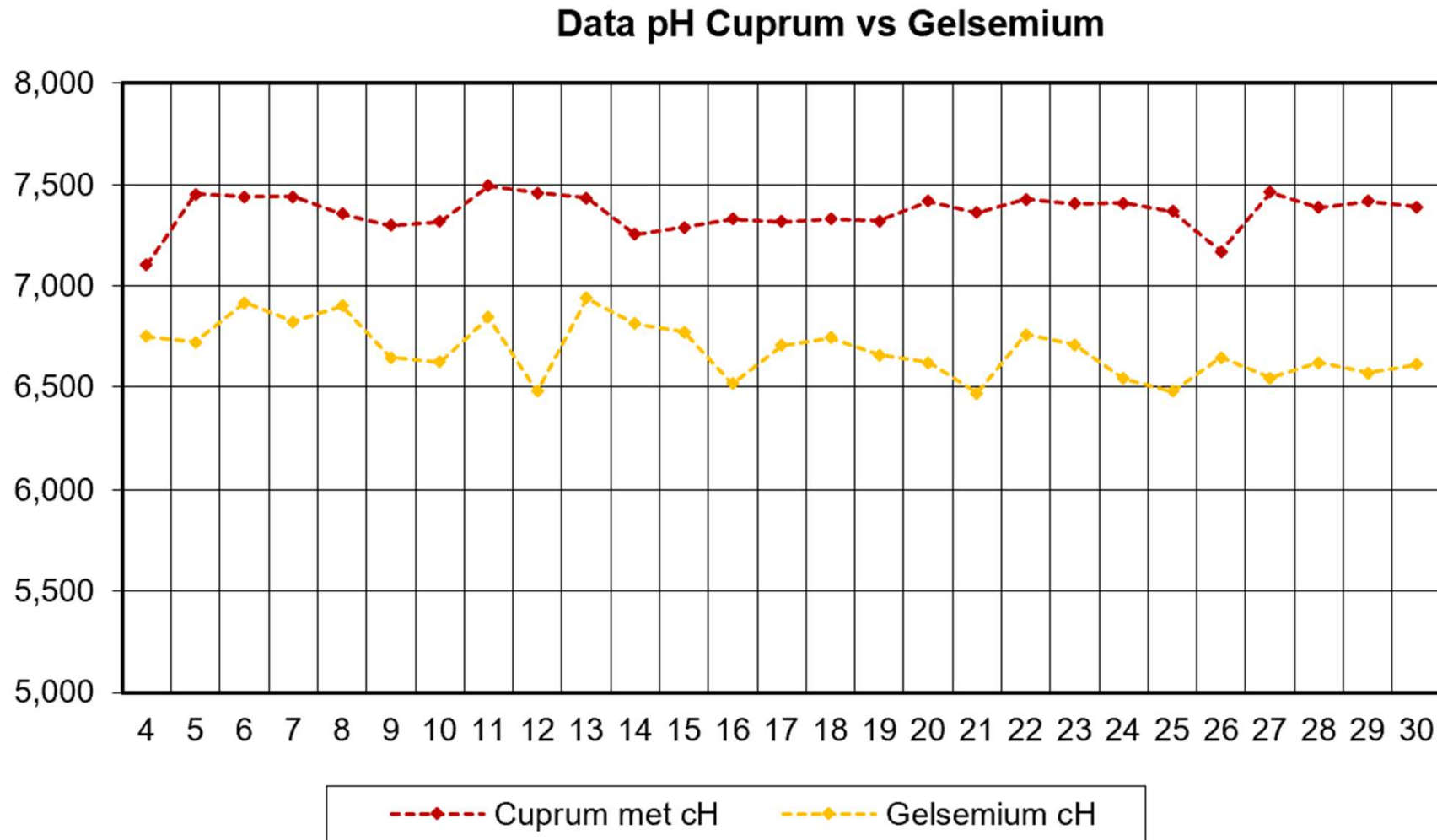
pH: electric potentials in homeopathic solutions

Comparison Normalized (MST-t°C) Electric fields in mV for 3 manufacturing lines of Gelsemium and solvent 30% alcohol from 2cH up to 30cH

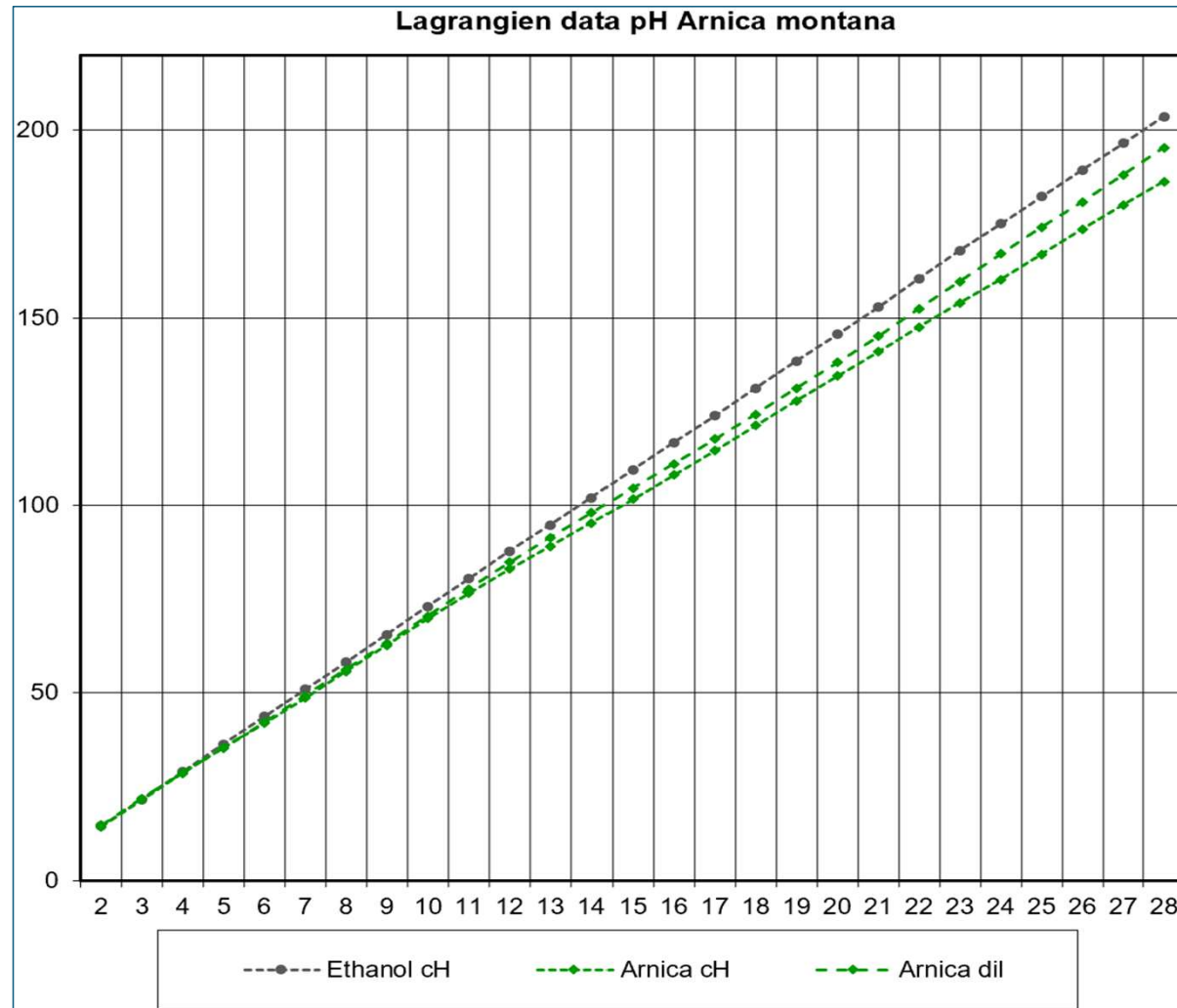


After dynamizations (10) of the solutions before pH measurements, the pH values converted into mV are significantly different for the different lineages compared to the controls. Here 3 lineages of manufacture of Gelsemium 30% alcohol v/v. in relation to the solvent cH.

pH: electric potentials in homeopathic solutionshoméopathiques



pH: electric potentials in homeopathic solutions



pH: electric potentials in homeopathic solutions

Table 2: Electric fields expressed in voltages (mV) in all cH production lines starting from 4cH.

Cup-met	<u>Lact</u>	Bell	<u>Pyr</u>	<u>Pyr-c</u>	Kali-m	Sil	Arg-met	Gels	<u>Arn</u>
-20,8	-18,8	-0,9	+3,2	+11,4	+13,5	+16, 7	+16,9	+18,1	+21,7

Table 2: Comparison of the means of pH measurements expressed in mV for each cH production line.

pH: electric potentials in homeopathic solutions

		p	Significant
Argentum cH	Lactose cH	0,001	Yes
Arnica cH	Ethanol cH	0,001	Yes
Arnica dil	Ethanol cH	0,002	Yes
Arnica cH	Arnica dil	0,001	Yes
Belladonna cH	Ethanol cH	0,036	Yes
Belladonna dil	Ethanol cH	0,036	Yes
Belladonna cH	Belladonna dil	0,627	No
Cuprum cH	Lactose cH	0,184	No
Gelsemium cH	Ethanol cH	0,001	Yes
Gelsemium dil	Ethanol cH	0,001	Yes
Gelsemium cH	Gelsemium dil	0,845	No
Kali mur	Aqua	0,053	No
Pyrogenium cH	Ethanol cH	0,018	Yes
Pyrogenium dil	Ethanol cH	0,166	No
Pyrogenium cH	Pyrogenium dil	0,606	No
Pyrogenium crud cH	Ethanol cH	0,001	Yes
Pyrogenium crud dil	Ethanol cH	0,001	Yes
Pyrogenium crud cH	Pyrogenium crud dil	0,516	No
Silicea cH	Lactose cH	0,001	Yes
Silicea dil	Lactose cH	0,001	Yes
Silicea cH	Silicea dil	0,098	No

Take away Message 8

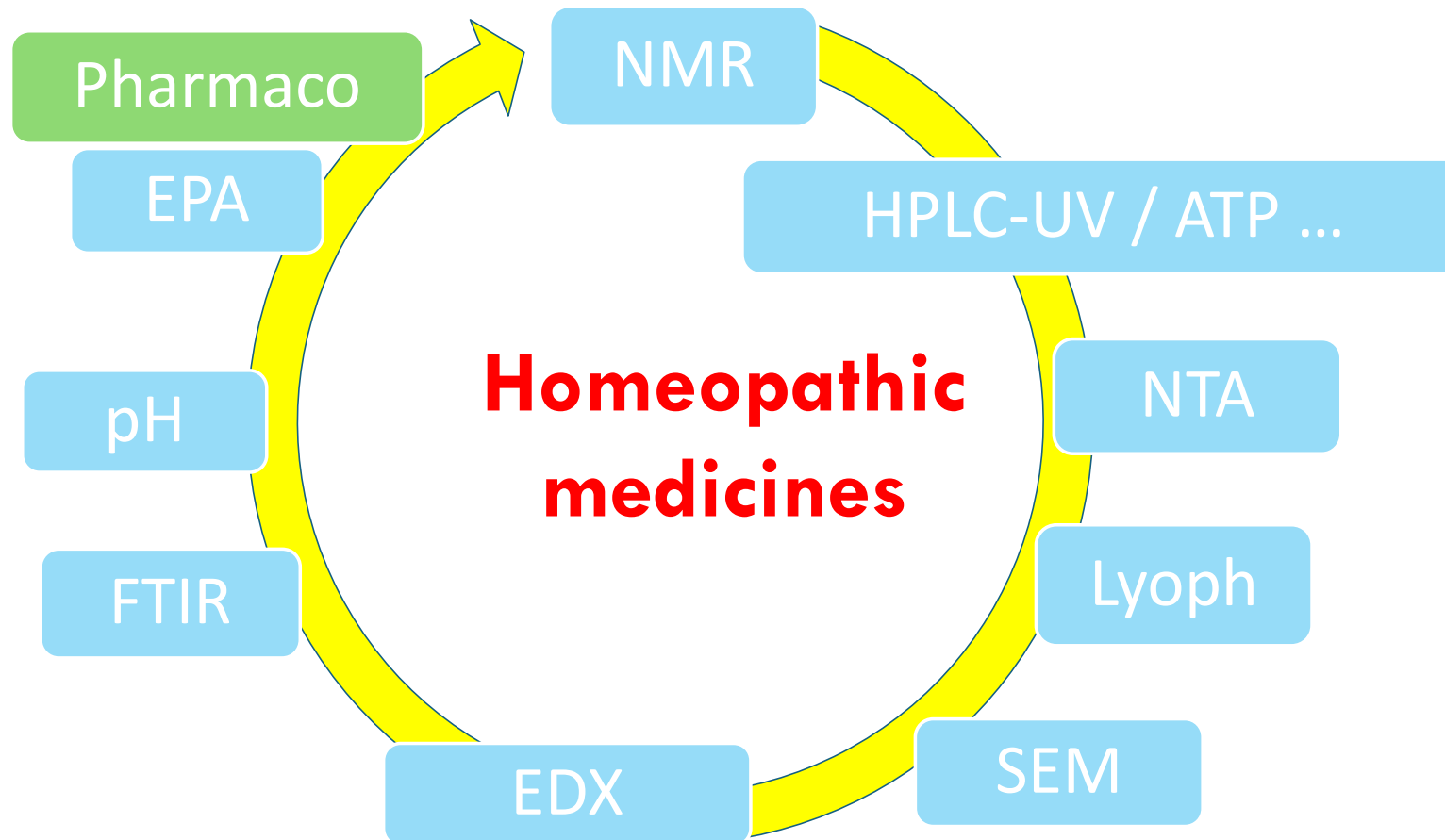
pH: electric potentials in homeopathic solutions

- ✓ The particle and molecular vectors allow to stabilize specific electrical potentials for each homeopathic drug.
- ✓ No systematic difference between cH and simple dilution.
- ✓ **Publication:** *submitted IJHDR* Systematic pH measurements in homeopathic production lines and their controls..

Dr Michel Van Wassenhoven



DynHom Research Program



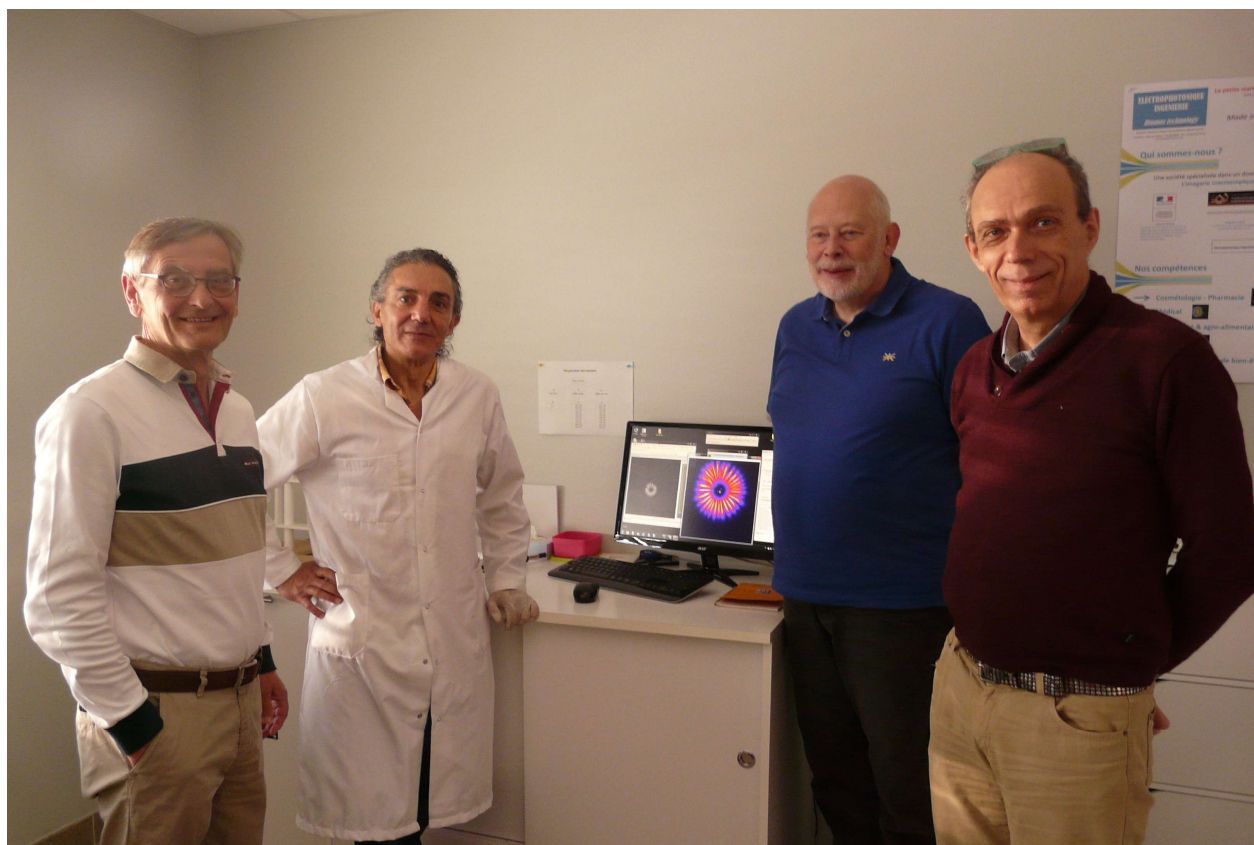
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EPA: Electrophotonic analyse

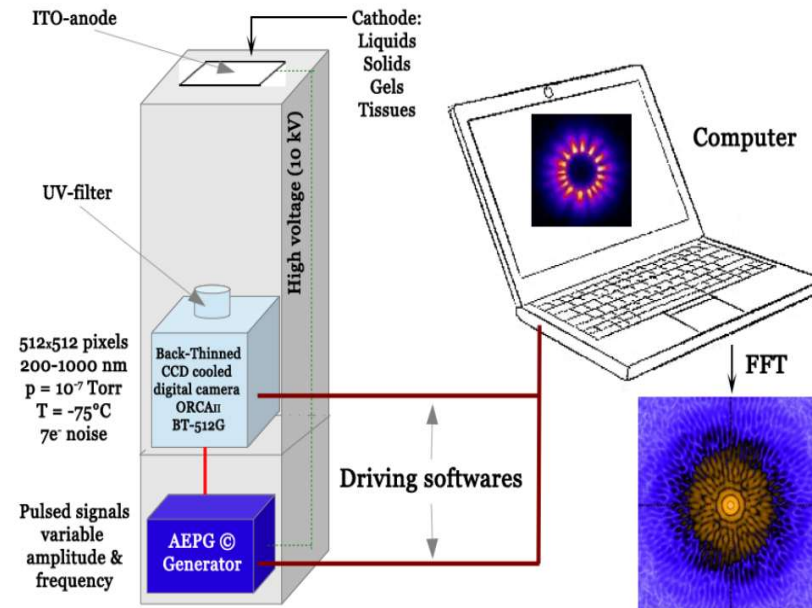
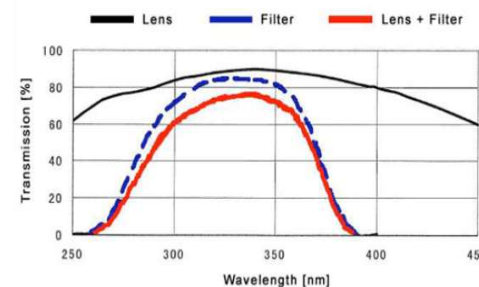
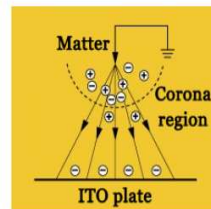
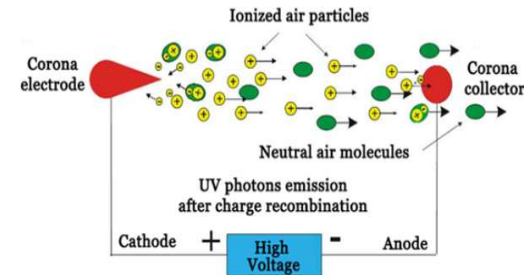
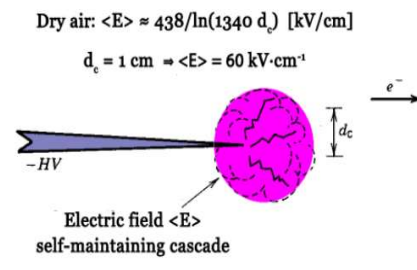


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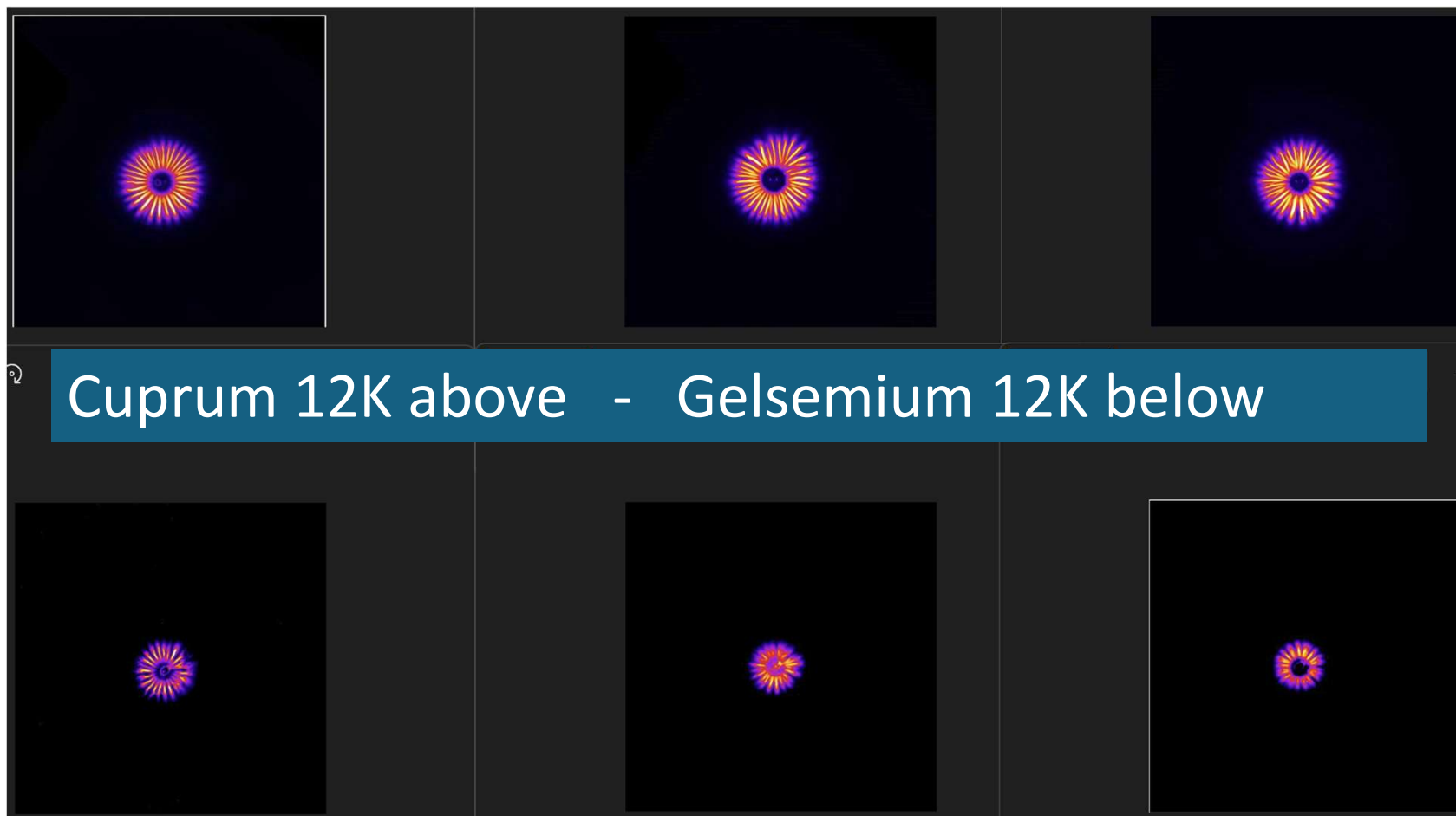
Electro-Photonic Analyse

**Trigger :
Electricity.**

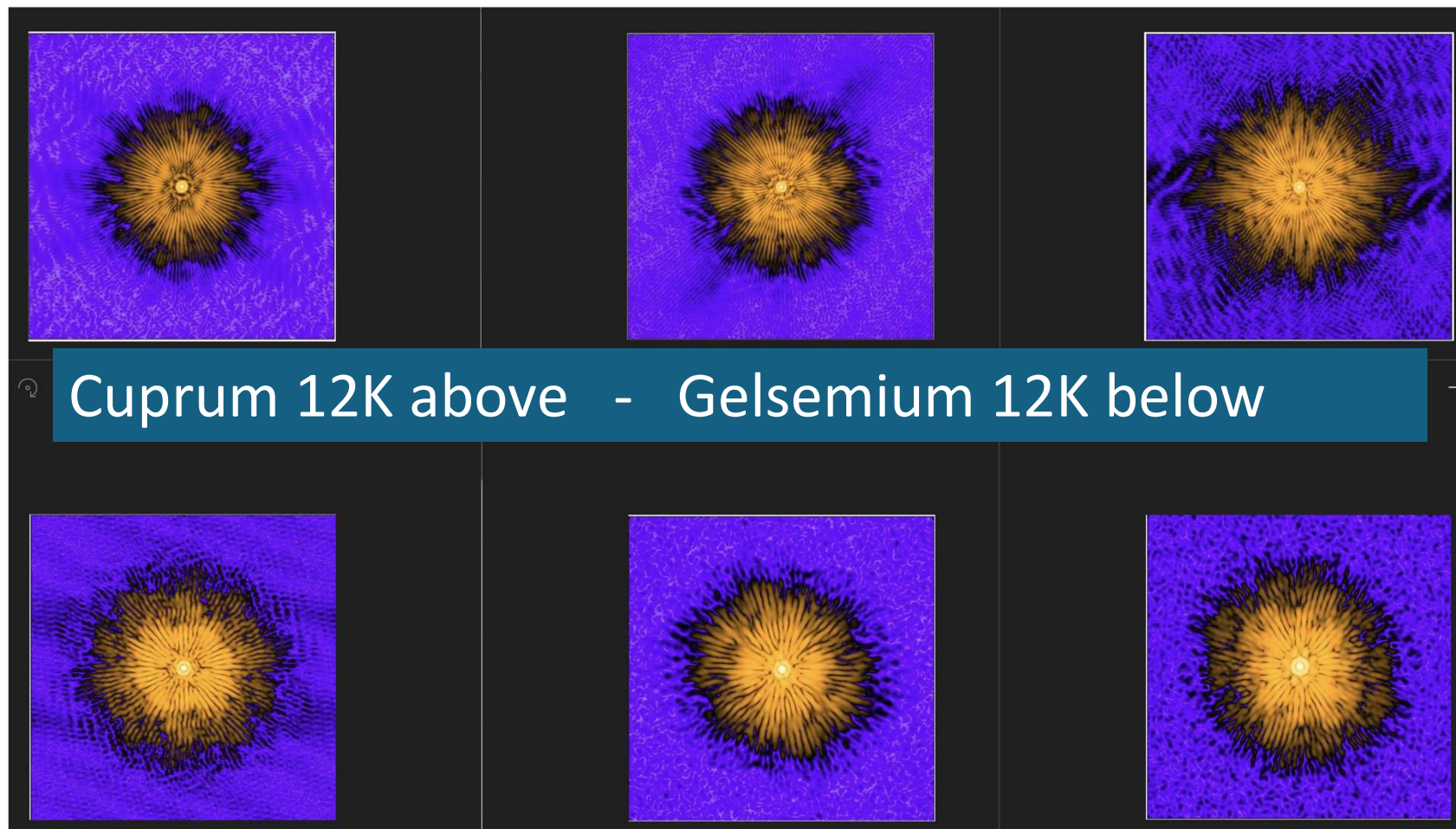
**Emitted photons in
UV spectrum.**



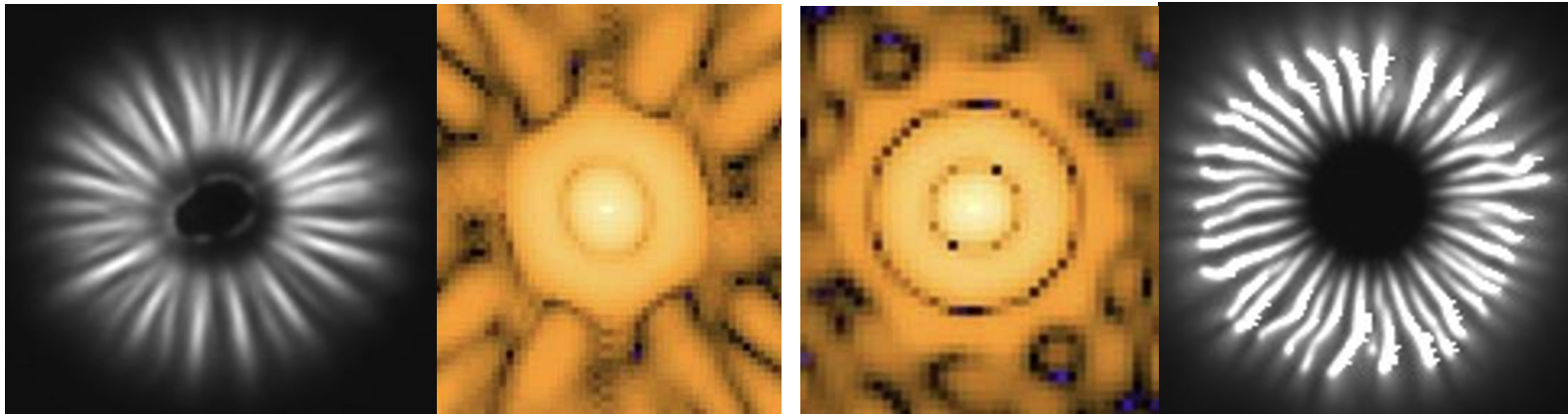
Electrophotonic Analyse (EPA)



Electrophotonic Analyse (EPA) + FFT



Electrophotonic Analyse (EPA) + FFT. liquid solution , confirmation .

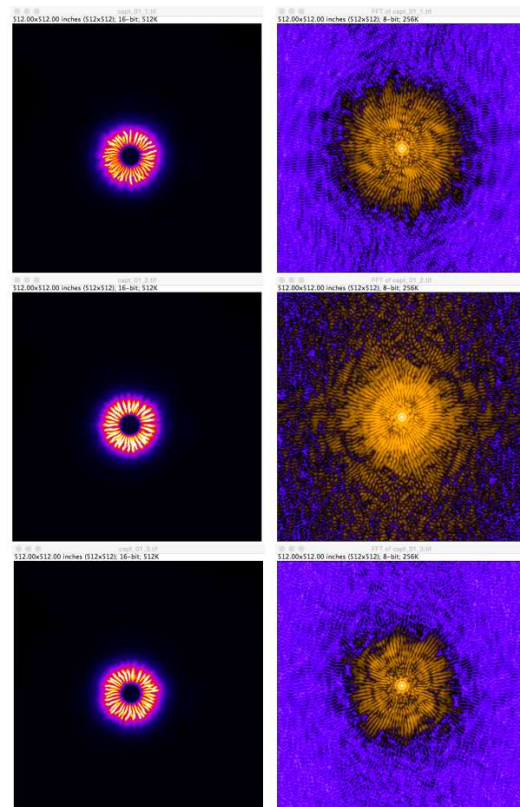


Ethanol 70%

- Gelsemium TM 65%



Electro-Photonic Analysis



Flacon 216 n°17
Énergie = 15 147
Contraste = 10 023
Entropie = 2.32546
Imin = 4
Imax = 255
nInt = 252

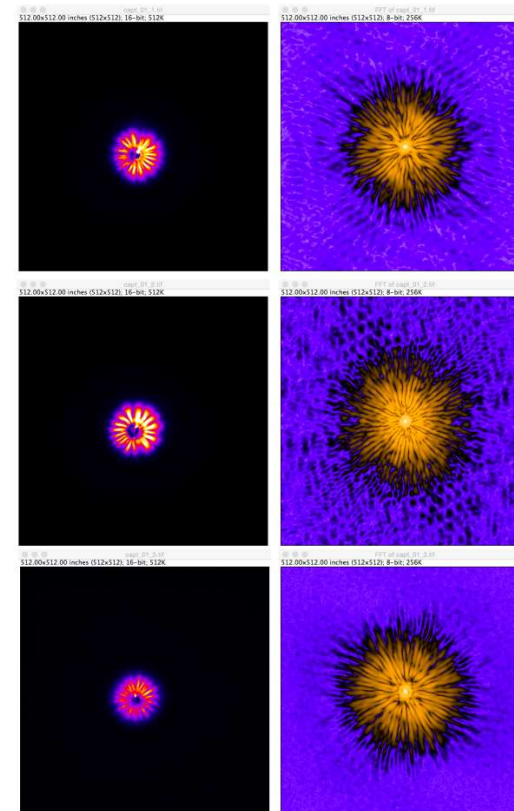
Énergie = 16 806
Contraste = 9 000
Entropie = 2.21346
Imin = 4
Imax = 255
nInt = 252

Énergie = 16 230
Contraste = 10 390
Entropie = 2.26252
Imin = 4
Imax = 255
nInt = 252

Gelsemium

← TM

30 cH →

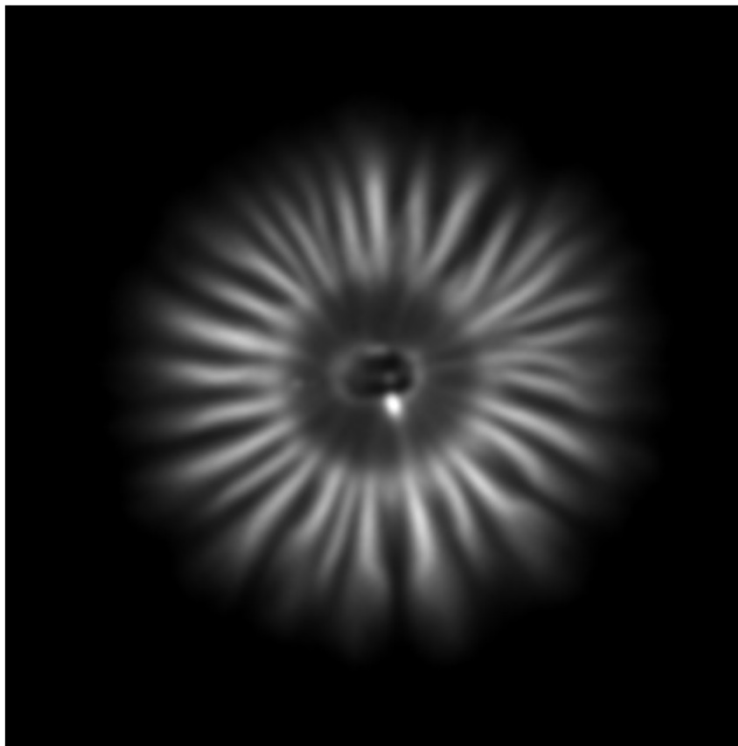


Flacon 184 n°46
Énergie = 11 178
Contraste = 4 818
Entropie = 1.29069
Imin = 3
Imax = 255
nInt = 253

Énergie = 12 815
Contraste = 5 504
Entropie = 1.38047
Imin = 3
Imax = 255
nInt = 253

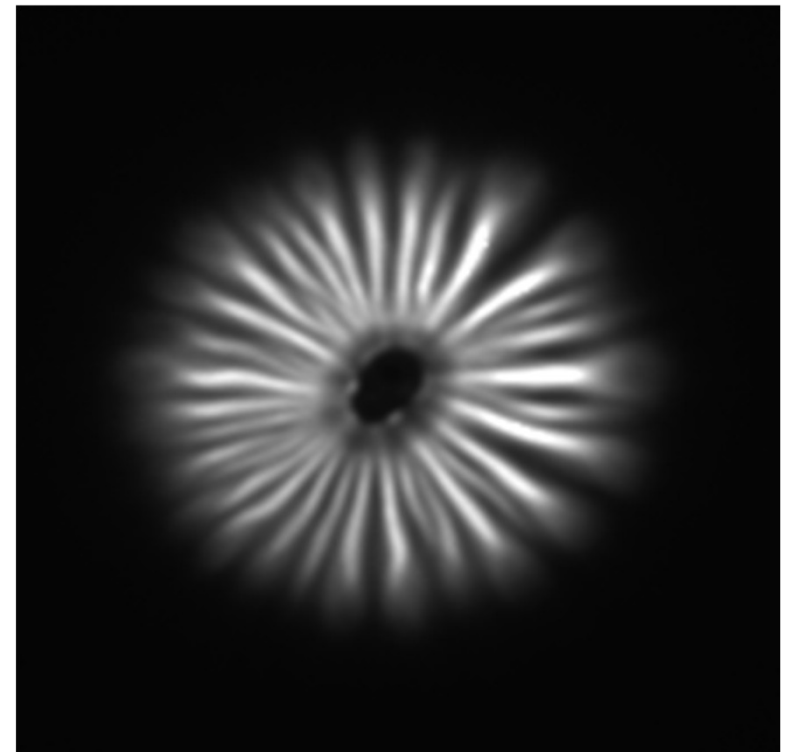
Énergie = 7 069
Contraste = 2 938
Entropie = 1.31221
Imin = 3
Imax = 255
nInt = 212

Electro-Photonic Analysis

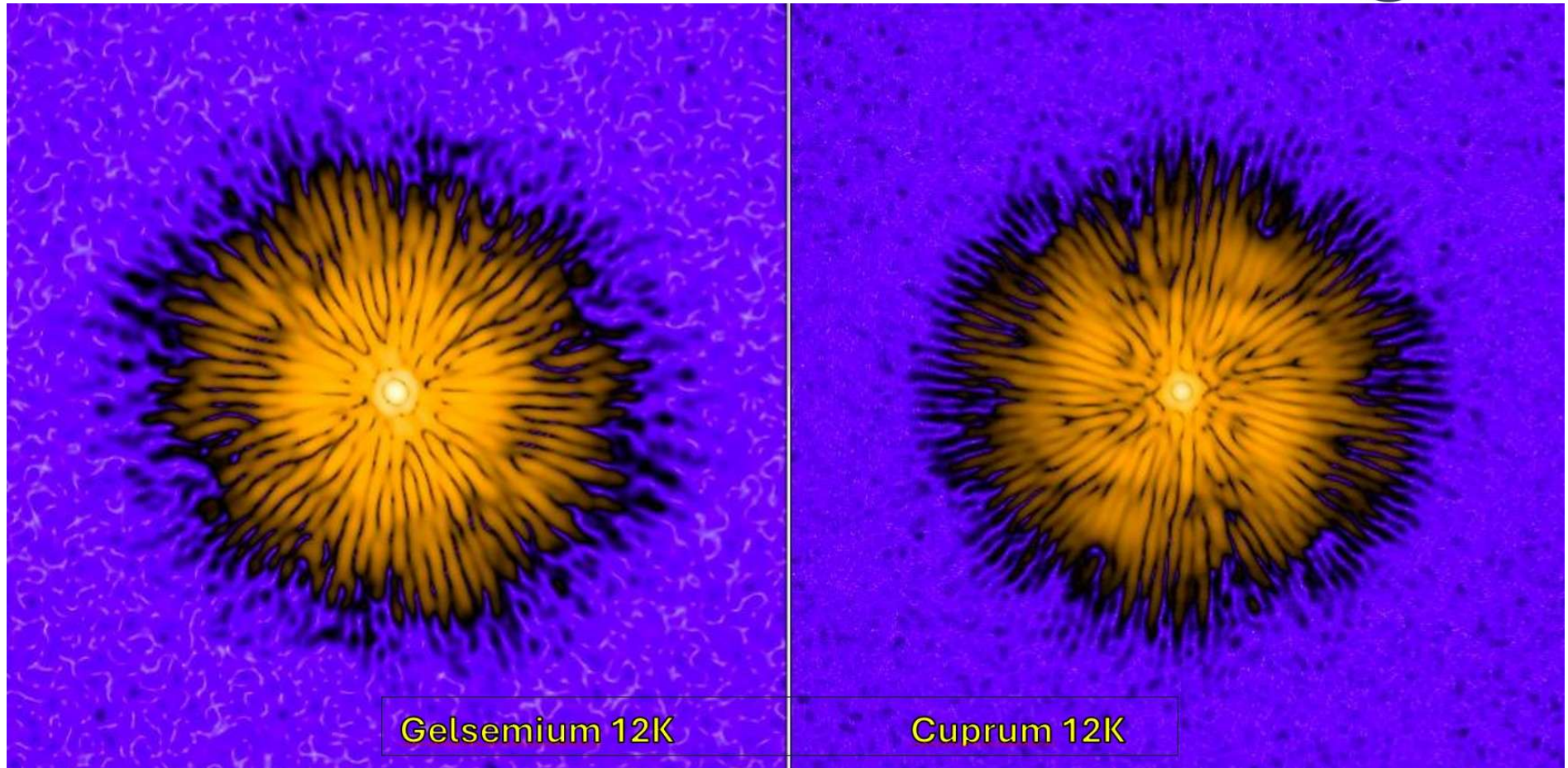


Cuprum 4cH
30 low intensity rays

← **Gelsemium 4cH**
34 high intensity rays

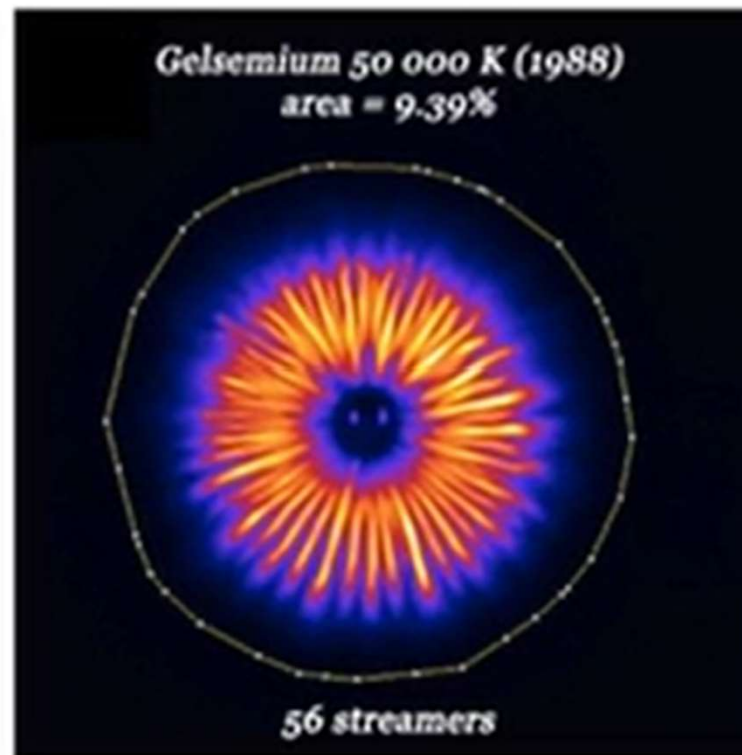
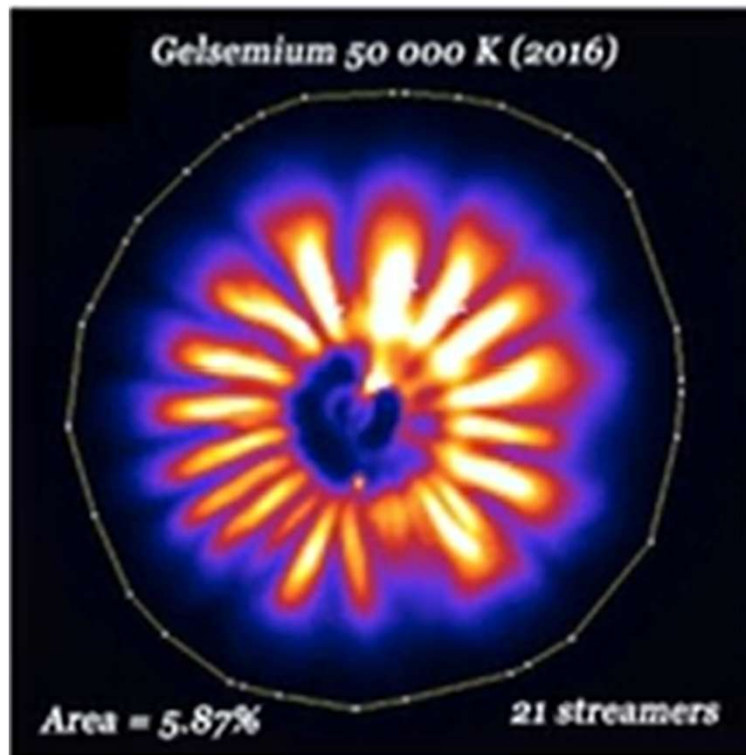


Electro-Photonic Analysis



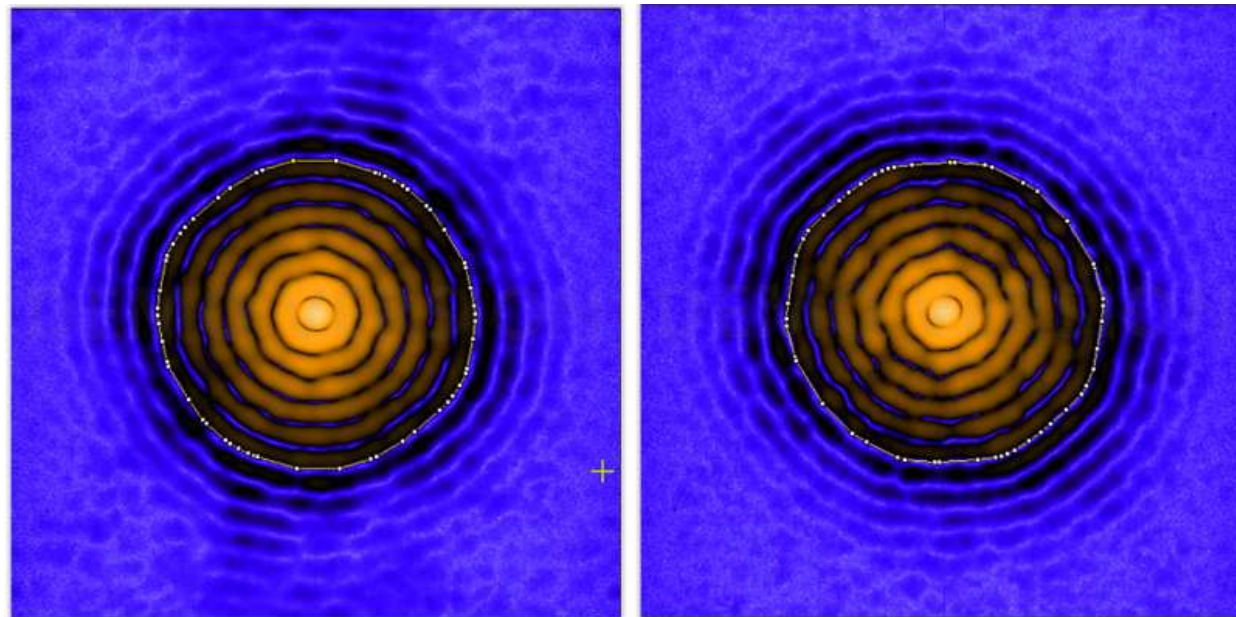
Electro-Photonic Analysis

Effect of preparation and aging



Electro-Photonic Analysis

the FIJI program allows to convert EPI images, using an algorithm, into FFT (Fast Fourier Transform) images. Here, an unimpregnated globule and a pure solvent impregnated globule.

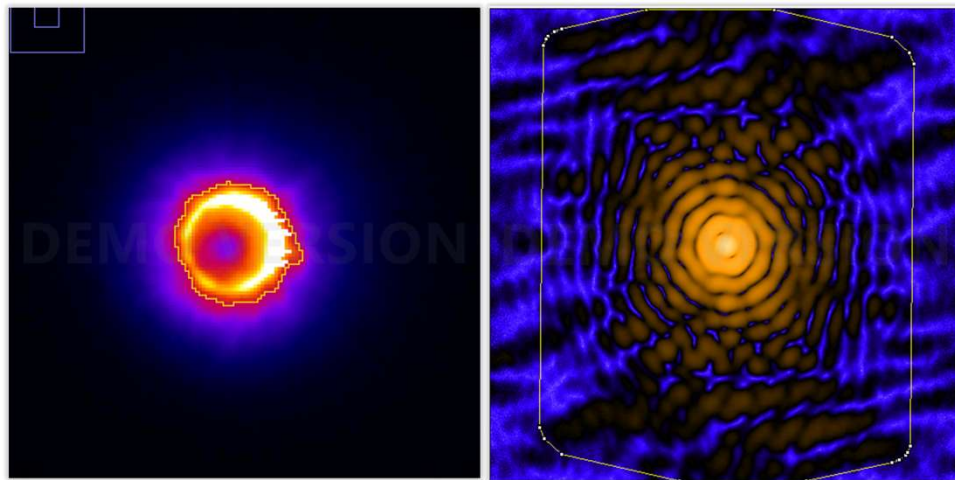


The white circle with little dots added by the FIJI analysis program is aimed to measure the delimited surface about forms and wavelengths intensities. The FFT of the EPI image is performed after setting the intensities in a logarithmic scale. The centre of the image corresponds to the large spatial wavelengths of the image, wavelengths are shorter and shorter going towards the periphery.

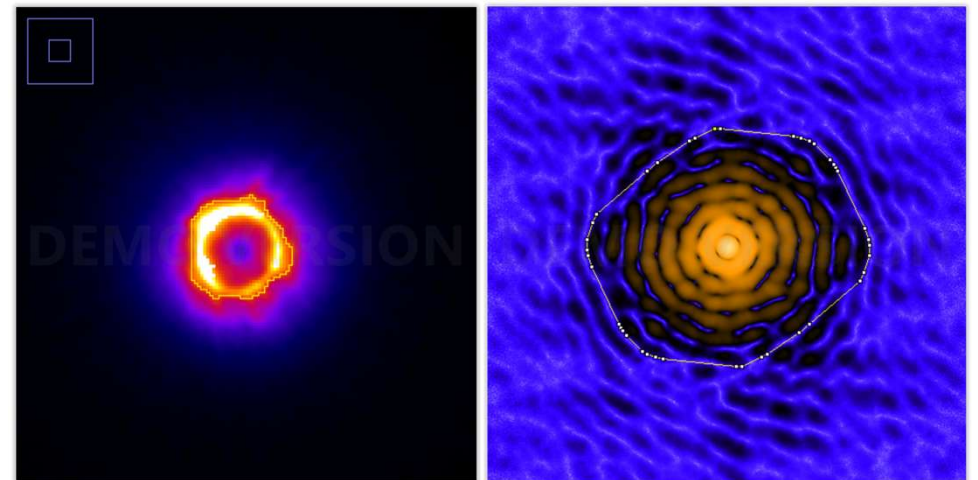
Electro-Photonic Analysis

Specific structure of the emitted light

CUPRUM 30K globule

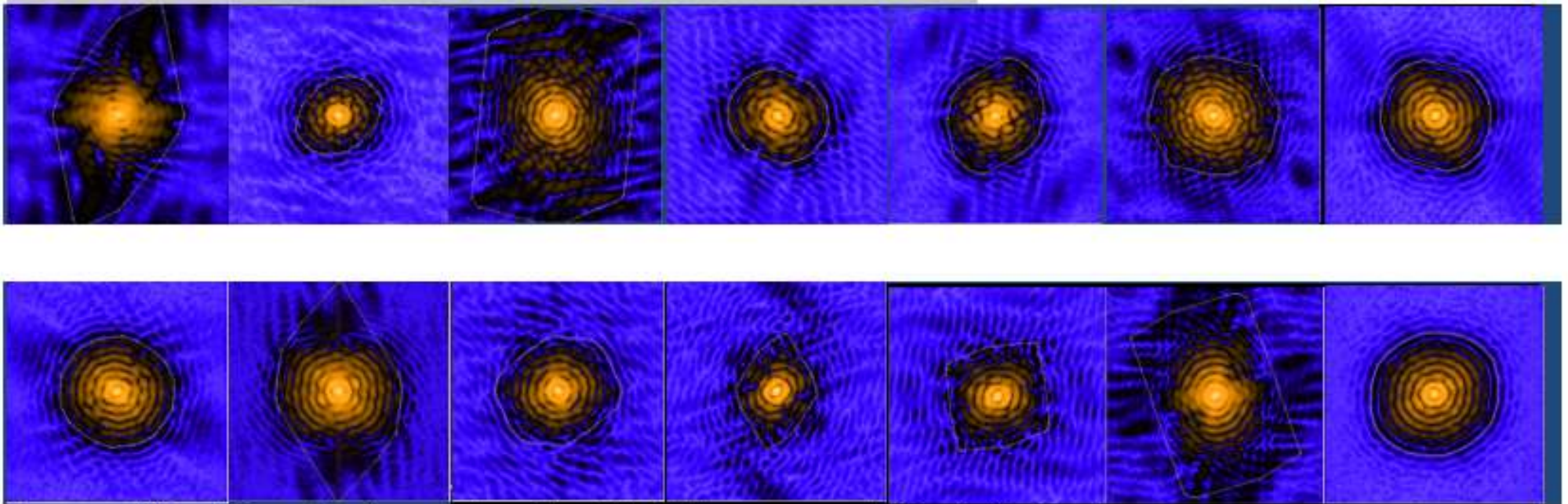


GELSEMIUM 30K globule



Electro-Photonic Analysis

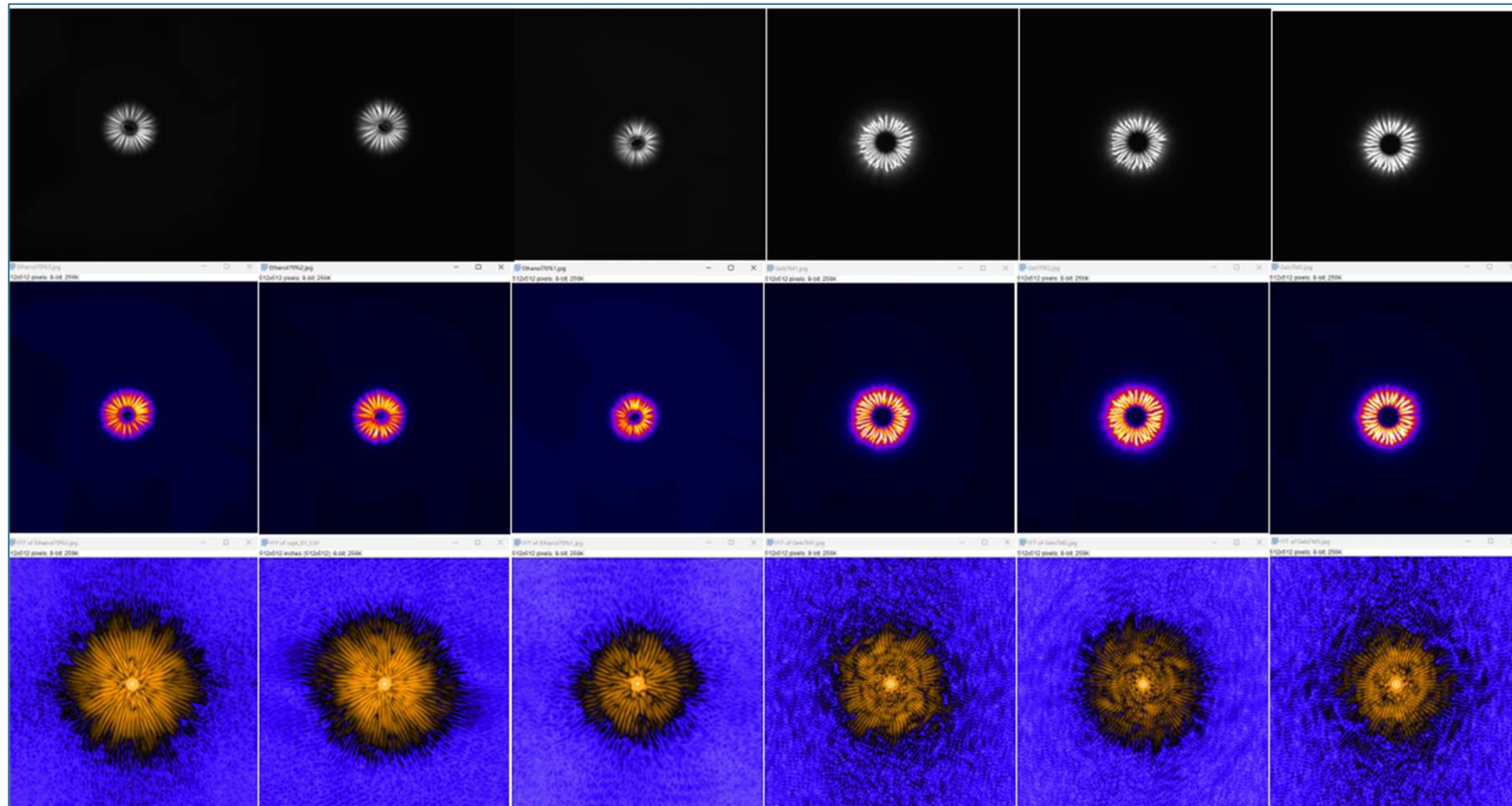
Examples of FFT images for dynamizations 6, 12, 30, 200, 1000, 10000, 50000K, starting with the left, for cuprum metallicum at the top and Gelsemium at the bottom.



Forms are different for each potency and medicine. We did the same exercise for all CH potencies.

Electro-Photonic Analyse

Exemples d'images 3xETHANOL 70% à gauche, 3xGELSEMIUM TM à droite.



Take away Message 9

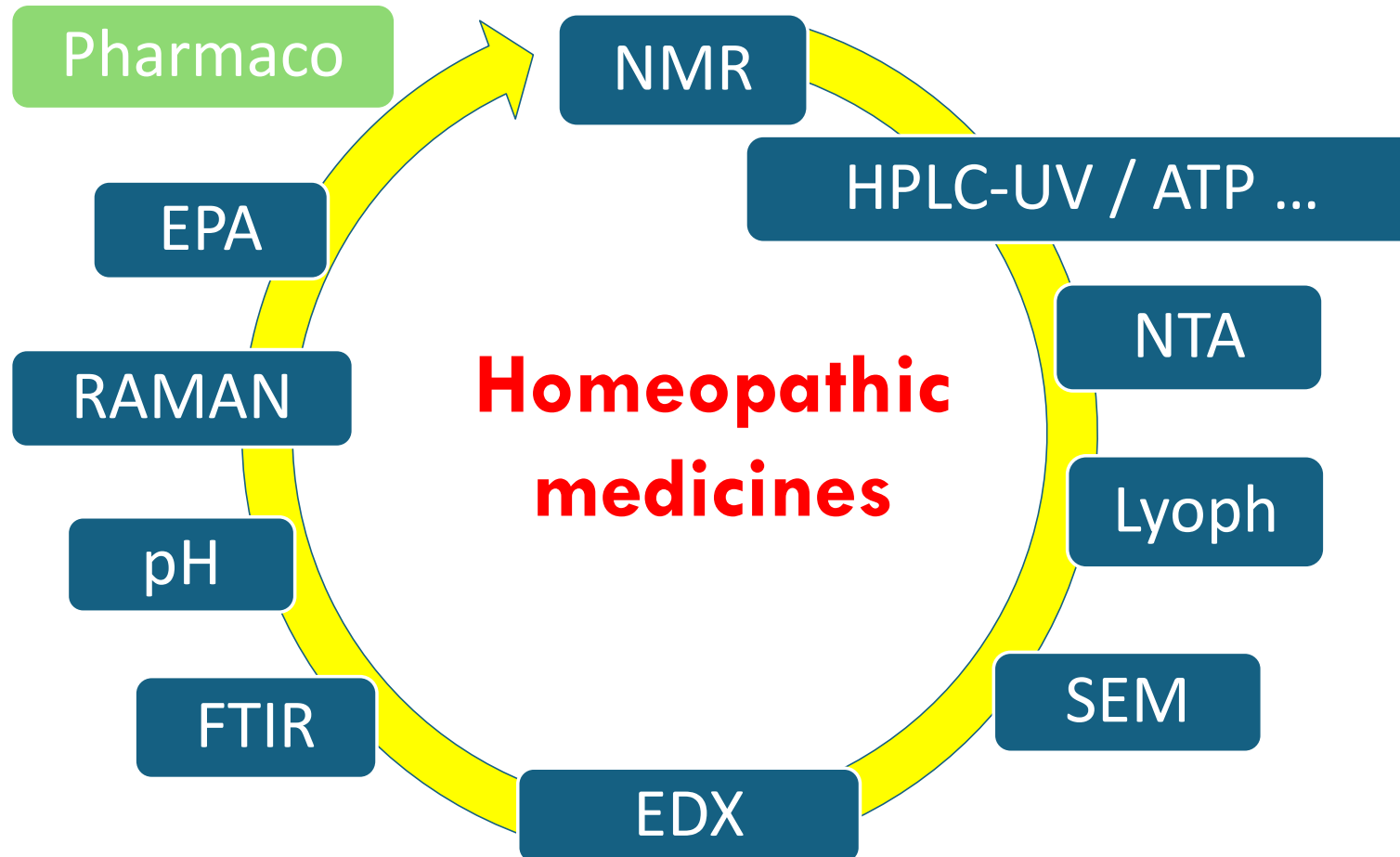
Electro-Photonic Analysis

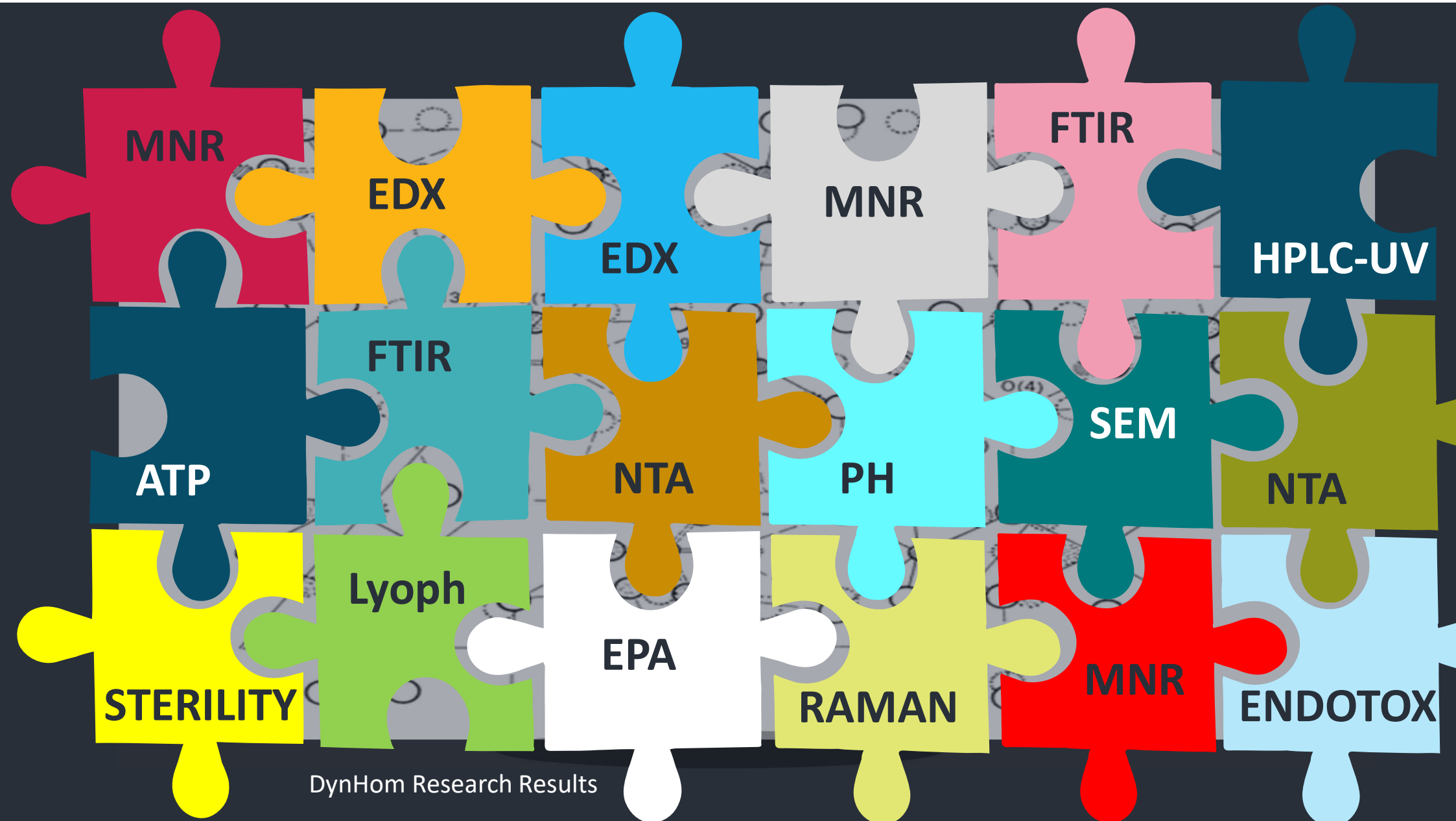


- *The method is reproducible: the difference between the 3 images of the same remedy and the same dynamization is not significant.*
- *Discrimination is evident between remedies for most of the 30 particular areas that are analyzed for size, shape, brightness and density.*



DynHom Research Program





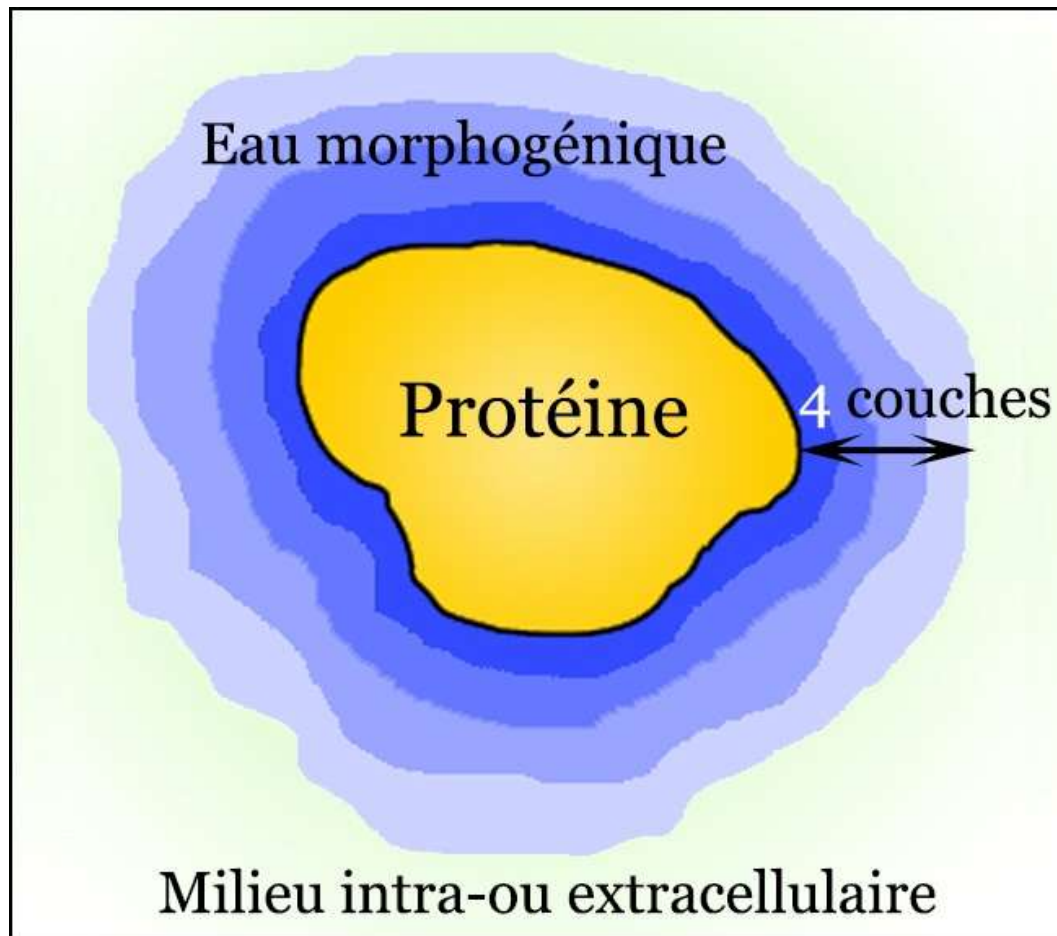
Pharmacology – Thoughts !



- ✓ Materiality is in fact a support, a visible organization, witness to the presence of something else. It may vary according to the manufacturing methods (e.g glass vs PET) but always exists in specific proportions.
- ✓ The electric potentials (we are at the level of electrons) are witnesses of the raw material of the start but not of the dynamization.
- ✓ The photons (we are at the wave level) carry the message of the preparation.
NB: Our measurement methods use light to determine the nature of components.
- ✓ The immaterial fields in the form of coherence domain in this morphogenic water deliver the message.



Pharmacology – Thoughts!

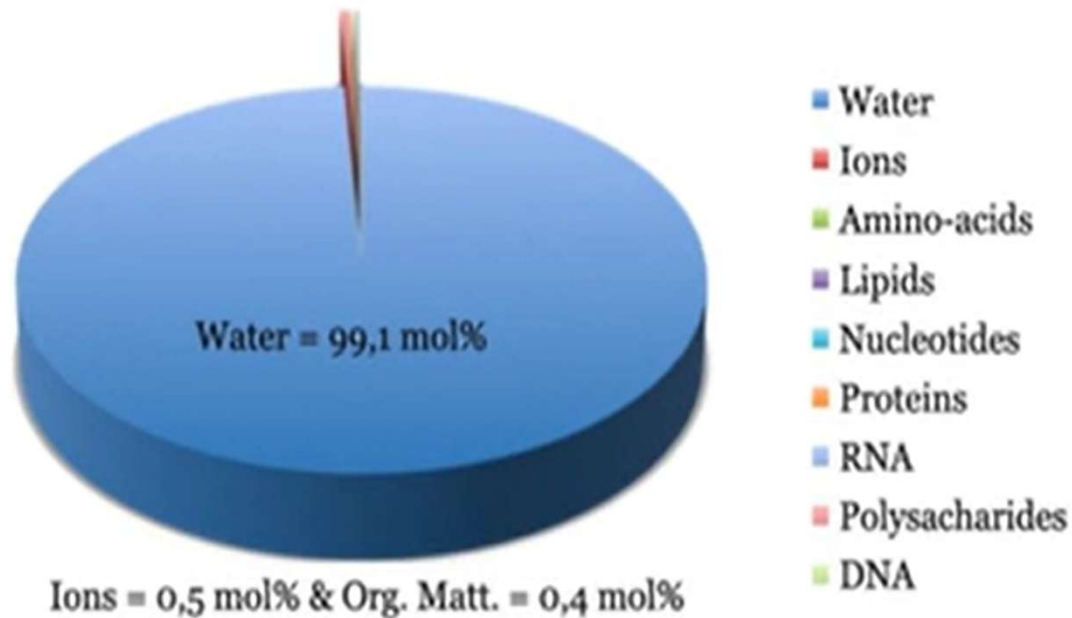


Morphogenic water is a layered structure of water around any material with at least one nanoscale dimension. Because it is indeed a new physical state of the water that must be identified as such. Its characteristic is to be able to adopt a gelatinous form. Intermediate form between liquid and solid state in contact with mineral or organic colloids.

Pharmacology – Thoughts!

Molecular composition of a living cell

Escherichia coli ≈ 70 wt% H_2O , mass = $7 \cdot 10^{-13}$ g, L $\approx 1 \mu m$, R = $0,5 \mu m$
 ≈ 22 billions 440 millions water molecules



Conclusion: water is life

Water is the major element of any cell. Everything else (including DNA-RNA) is very little compared to water.

But this water is organized around everything else.

Water is life!

Pharmacology– Thoughts!



Dynhom allows to look into the « material »

*

It is structured (NMR) and organized around nanoparticles (NTAs) swimming in “salt water” (SEM-EDX-FTIR).

*

But even at the level of the nanometer (H2O) there is more vacuum than material !

*

So is this vacuum useless = NOTHING?



Pharmacology– Thoughts!



Professor Marc Henry would tell you here that matter can be, in fact, looked at by considering only what we see (materiality).

The look towards the invisible (vacuum) of this materiality is another point of view.

Welcome to the world of waves and fields.



Pharmacology – Thoughts!



This is where Professor Marc Henry would tell us about quantum physics!



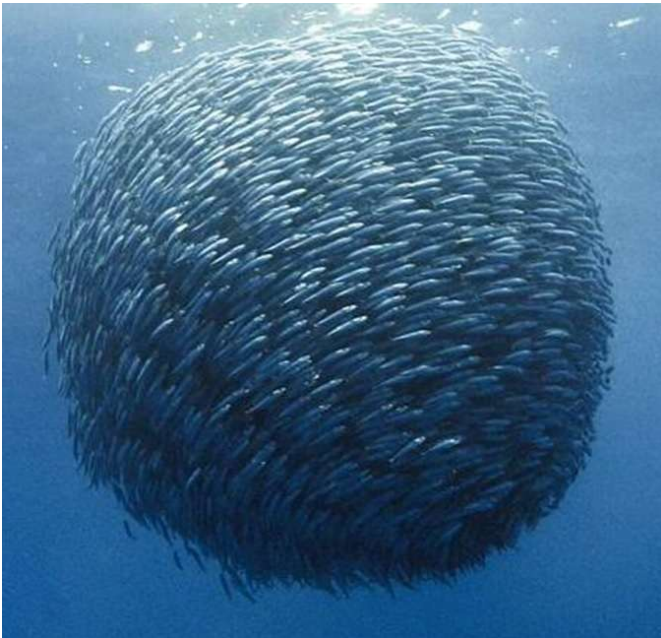
Nature and composition of homeopathic medicines !

Tribute to Professor MARC HENRY



Pharmacology – Thouhgts!

You only see this phenomenon if you cannot count the “elements”.
How do we explain these natural behaviors?
Concept of phasing and energy in quantum physics.
There is an “organization”, one would expect a chaos, there is none.



Pharmacology – Thoughts!



Chaos = phasing incoherence = classical physics.

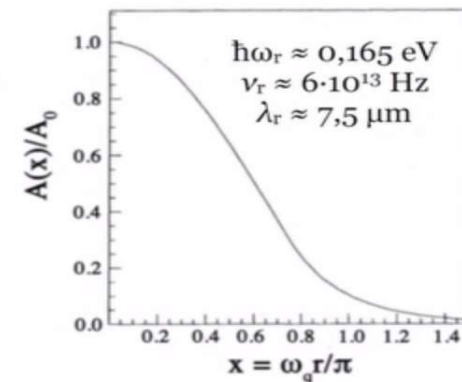
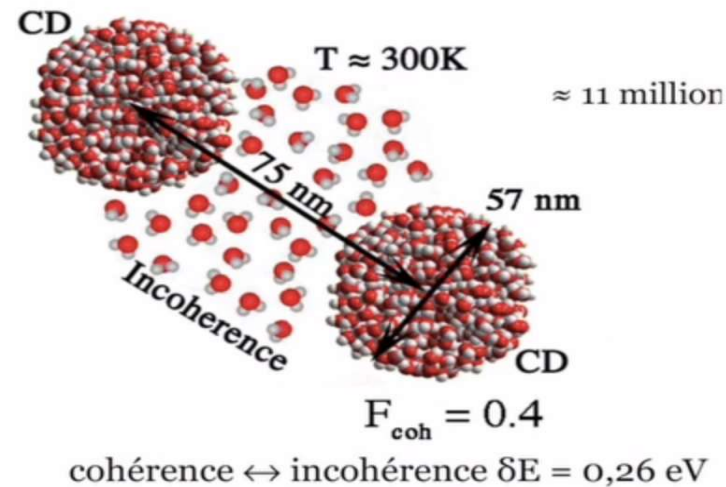
Phasing coherence = quantum physics.

- In phasing coherence, water molecules (countless) are organized around nano-objects.
- Water becomes structured, a structuring at the scale of 100nm that become «coherence areas».
- The focus should not be on the “materiality” of the water molecule but on its organization (water – empty – electromagnetic field).
- Working on water is more important than working on another cell component.

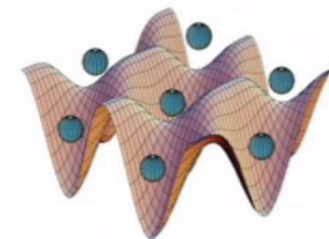


Pharmacology – Thoughts!

Structuration de l'eau en domaines de cohérence (DC)



Sensibilité aux champs
(électro)magnétiques



« Mémoire de l'eau »

"Ballade des mystères de l'eau" Pr Marc Henry

Pharmacology – Thoughts!



**Quantum physics = no space, no time but phasing
and energy (fields).**

**Time, space and matter are creations of the phasing
and available energy**

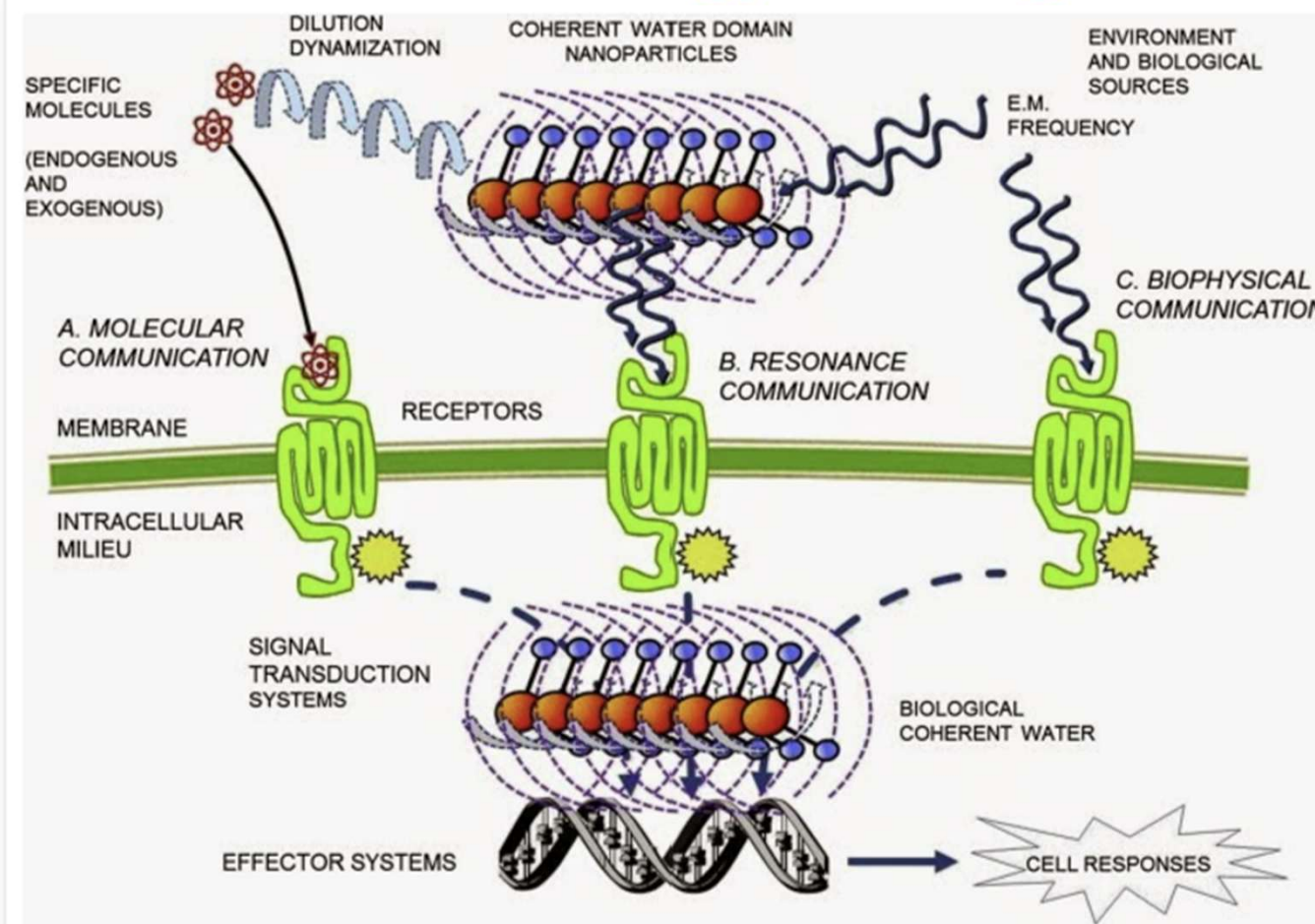


Nature and composition of homeopathic medicines !

Tribute to Professor MARC HENRY



Pharmacology – Thoughts!



According to P. Bellavite, the electromagnetic frequencies trapped within the coherence fields represent one of the modes of cellular communication.

Take away Message 10

- Individualisation as the key to a "dynamic pharmacology".
- More research on "polarized systems".
- Quantum approach for homeopathic and epigenetics.



La nature et la composition des médicaments homéopathiques !

HOMMAGE au PROFESSEUR MARC HENRY



Et la suite ...

SOUTENEZ DYNHOM. IBAN : BE25 0882 4940 5482
BIC : CKCCBEBB



- « La recherche DynHom est axée sur le médicament (nature – signature). On l'approche (sans le voir directement) par sa structure, sa matière, le solvant et des traces lumineuses. Cette préparation pharmaceutique dynamisée est nécessaire pour garder l'information, les champs. Elle explique l'action épigénétique du remède (travaux d'autres équipes) et ainsi faire le lien vers les pathogénésies et les études cliniques. »



Dr Michel Van Wassenhoven

APMH 2025



Nature and composition of homeopathic medicines !

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Water is life! Thank You !

