

Action for Genomic integrity through Research (AGiR)

Potential 'Working Groups'

Communication

Create links with other environmental non-profits
Find common interests and provide information

Out-reach to schools/parents/children

Inform of risks to genomic integrity
personal and environmental
Promote real enforcement of under-16 law
question of genomic integrity vs. allergic sensitization

Information for Hairdressers and their Salons

Push for safer ingredients (more purification to avoid 4ABP)

Translations

(also from the scientific to the layman's language & vice versa)

Research

- reliable methods to detect DNA damage *
- alternatives to hair dying (structure/color 'butterfly hair')
- public health institutions that might help spread awareness
- environmental impacts (persistence, ecotoxicology)
- bioremediation (clean-up of collected first rinses, before pouring down the drain)
- controlled double blind tests with human subjects, if these * are defined!

* methods to detect DNA damage events *in vivo* could include immunoassays for biomarkers, such as excreted 8oxodG, to indicate levels of excision repair, or 'next generation' sequencing methods, which might detect a variety of lesions through the polymerase's response (kinetic signature) to particular base modifications.

Whether baselines are stable so induced stim/response curves are believable is one problem experiments in a simple animal system (like C. elegans, a nematode worm) might solve...