CELET

FISH images of human peripheral blood lymphocytes irradiated in G_0 with gamma radiation (the dose is irrelevant)

Images kindly provided by Lleonard Barrios
from the Autonomous University of Barcelona

Used for training purposes within the RENEB biodosimetry network

What you should do:

Analyse each image and identify and enumerate the following aberrations with the involvement of painted chromosomes:

Dicentric
Translocation
Ring

Use the scoring sheet from the CELET webpage

RENEB

Images of the FISH assay (WP1) to be analysed

Three chromosomes painting (red), pancentromeric probe (green) and DAPI counterstaining (blue)

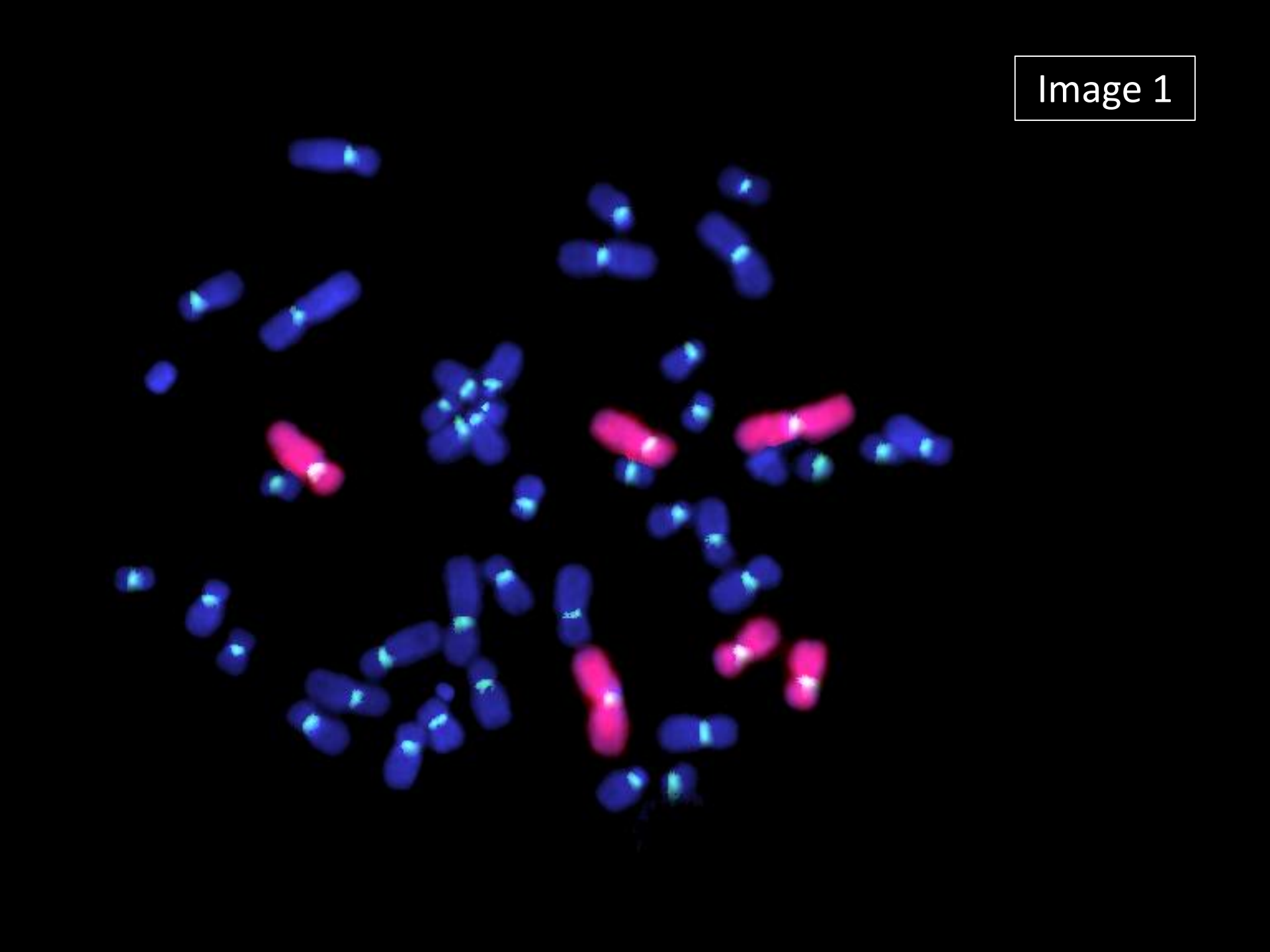


Image 1

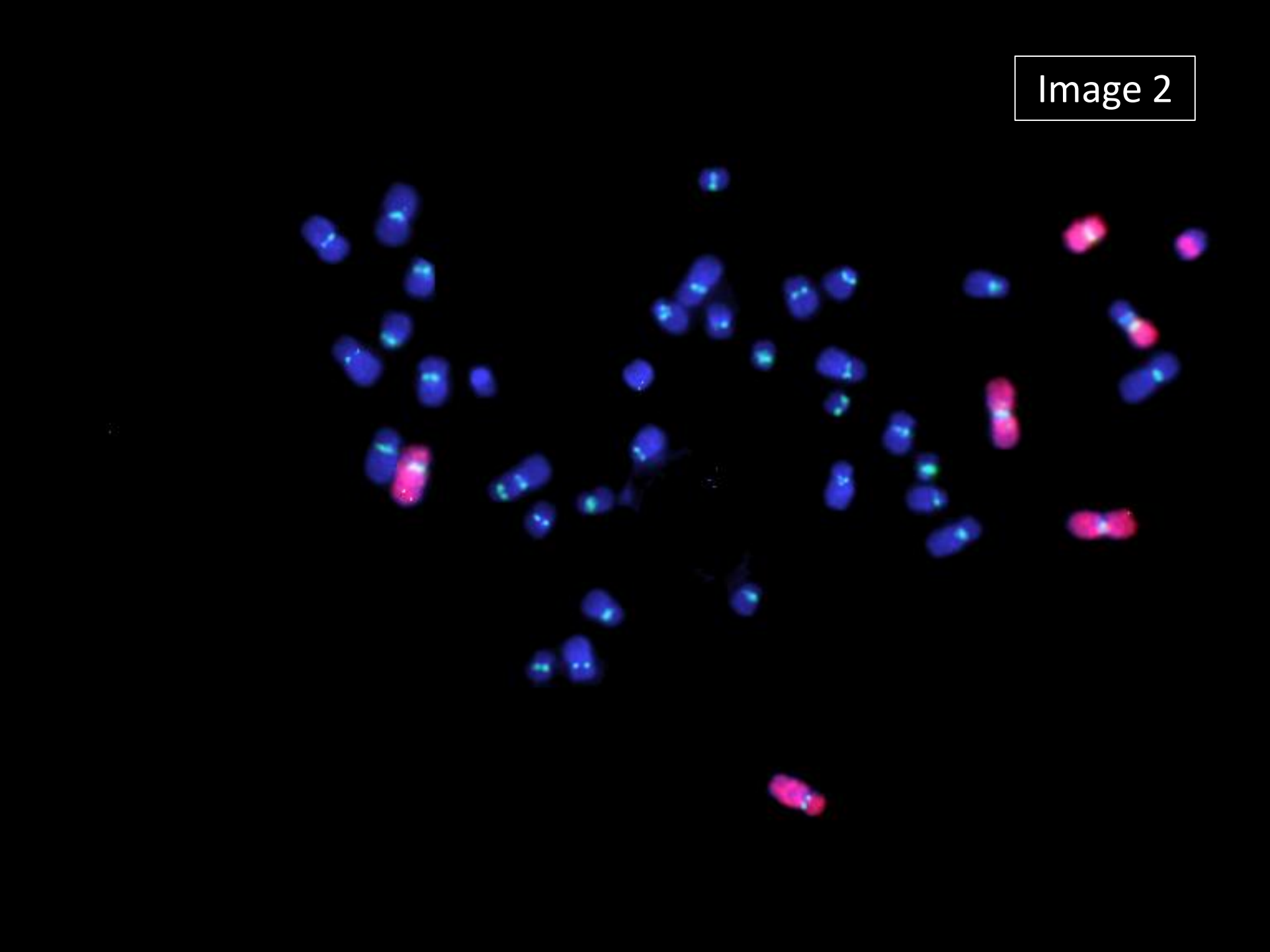
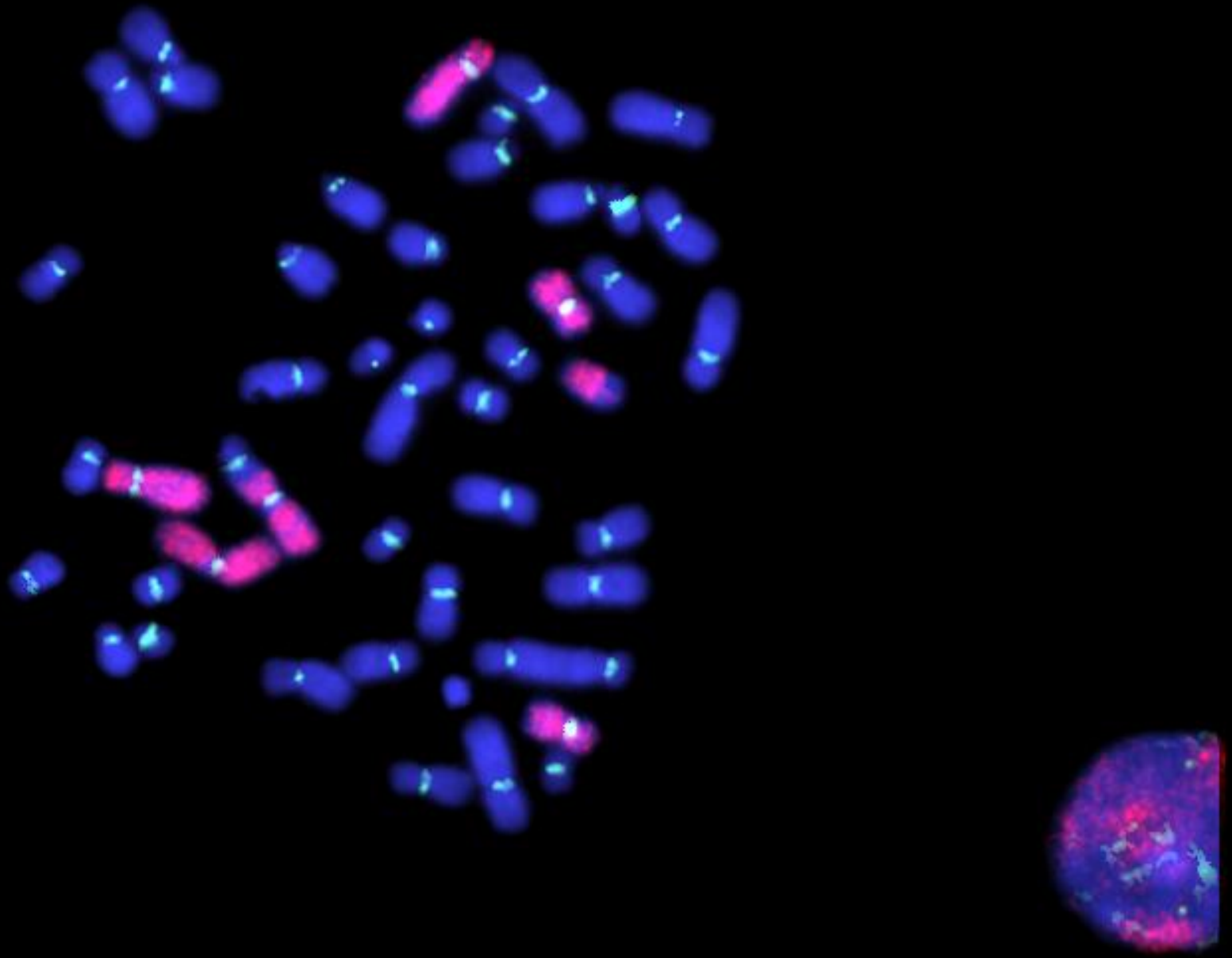


Image 2

Image 3



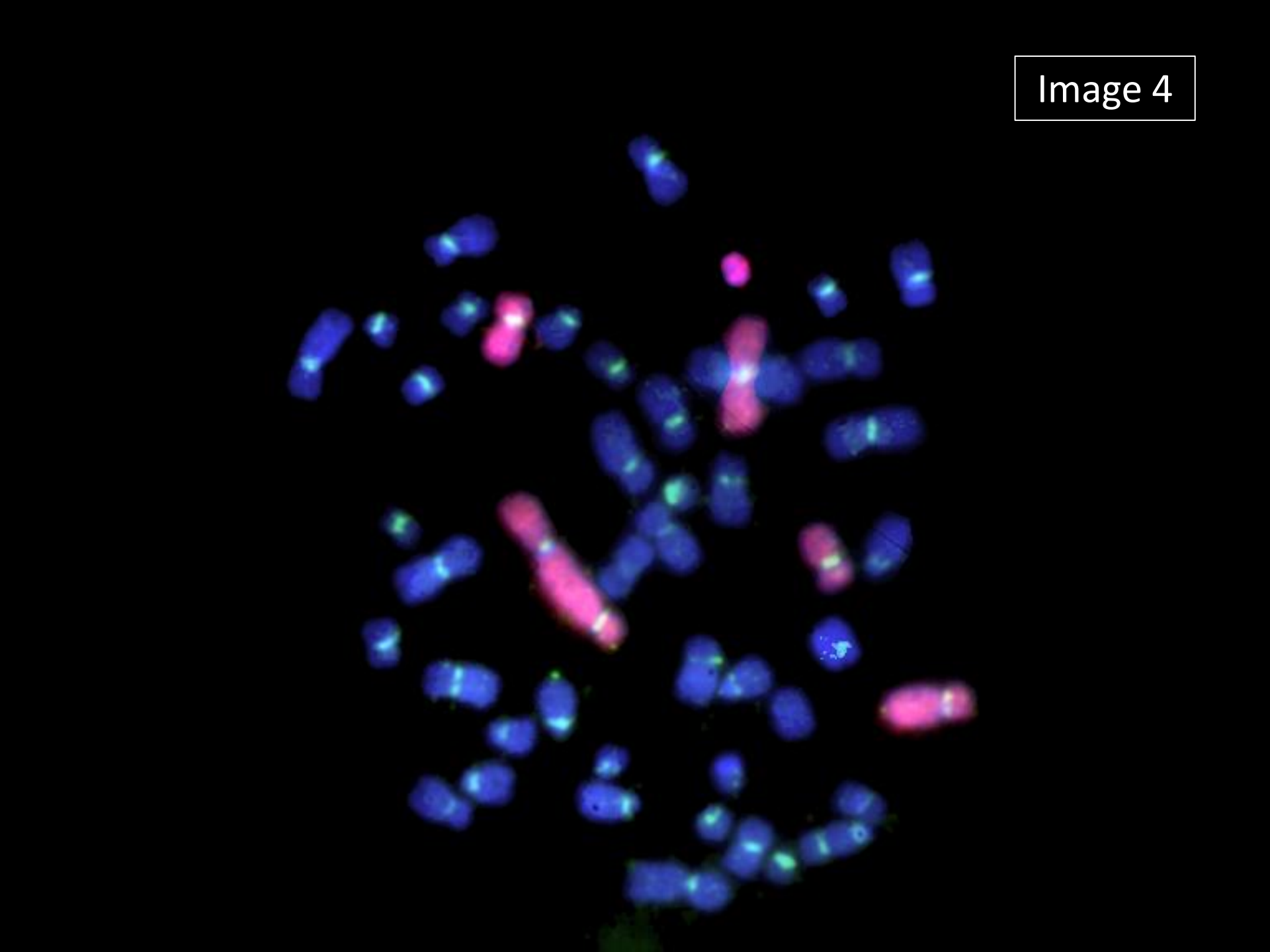

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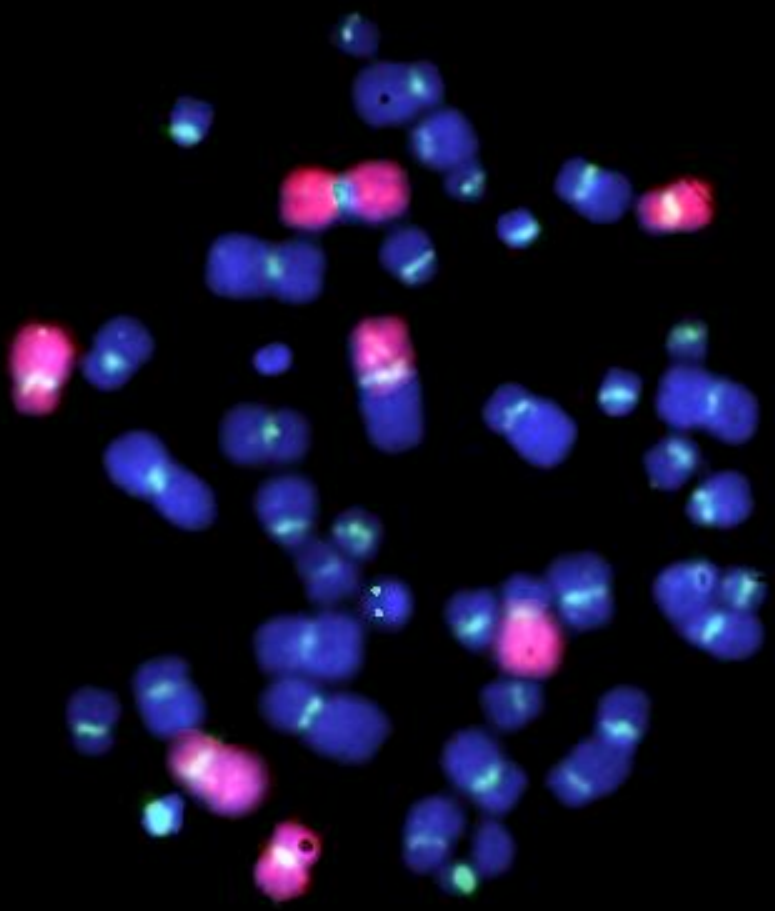
Image 5



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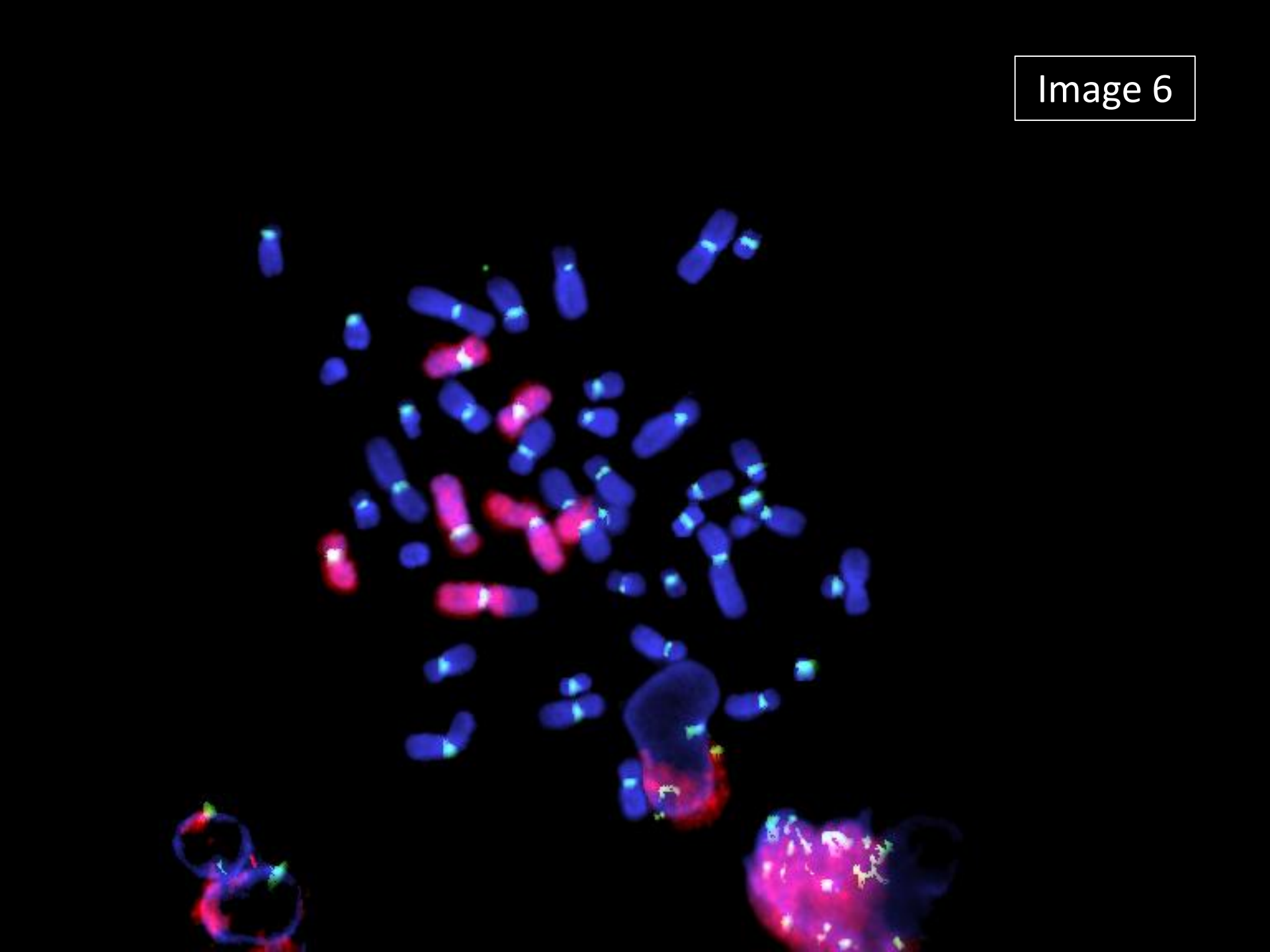

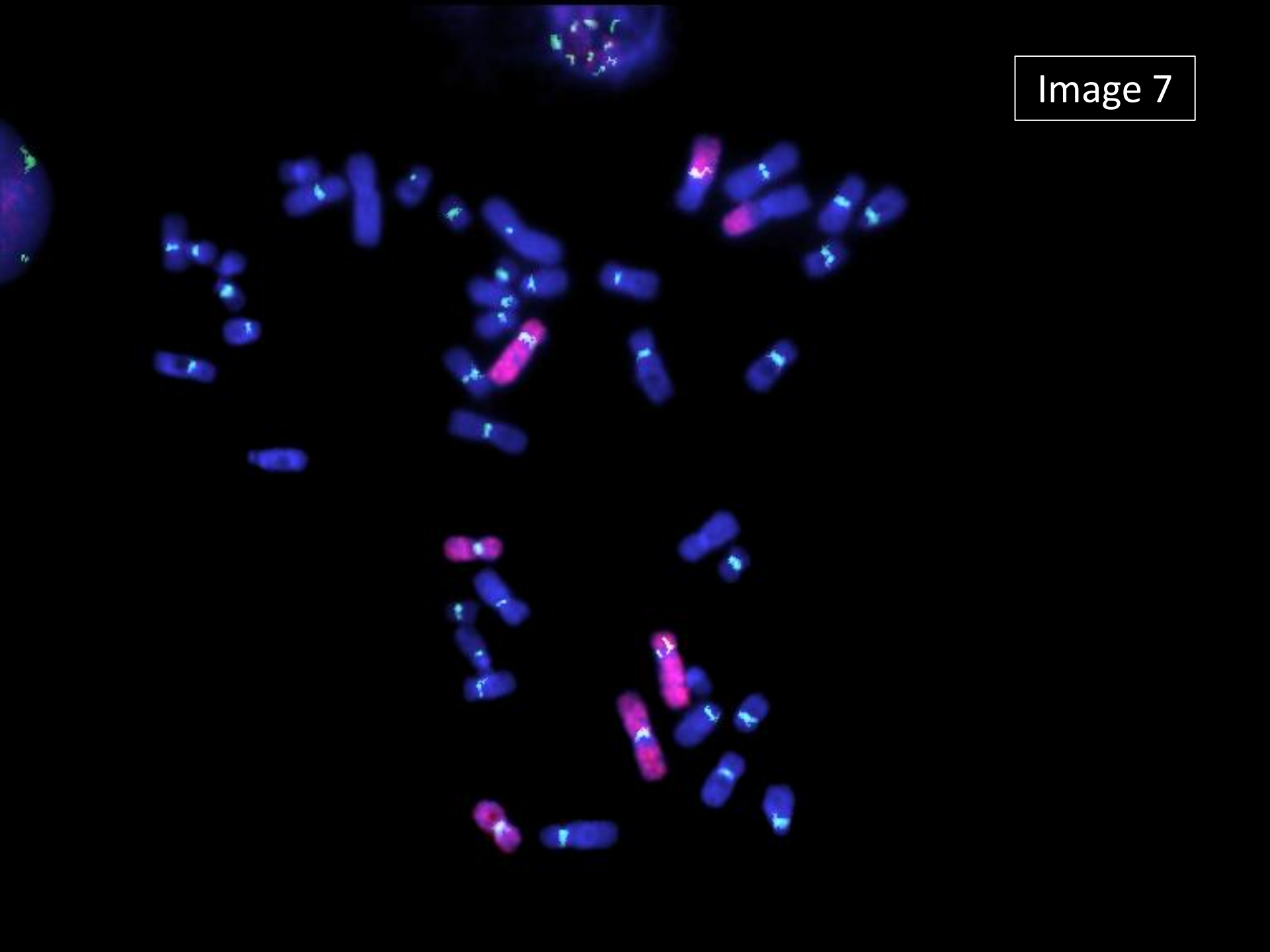
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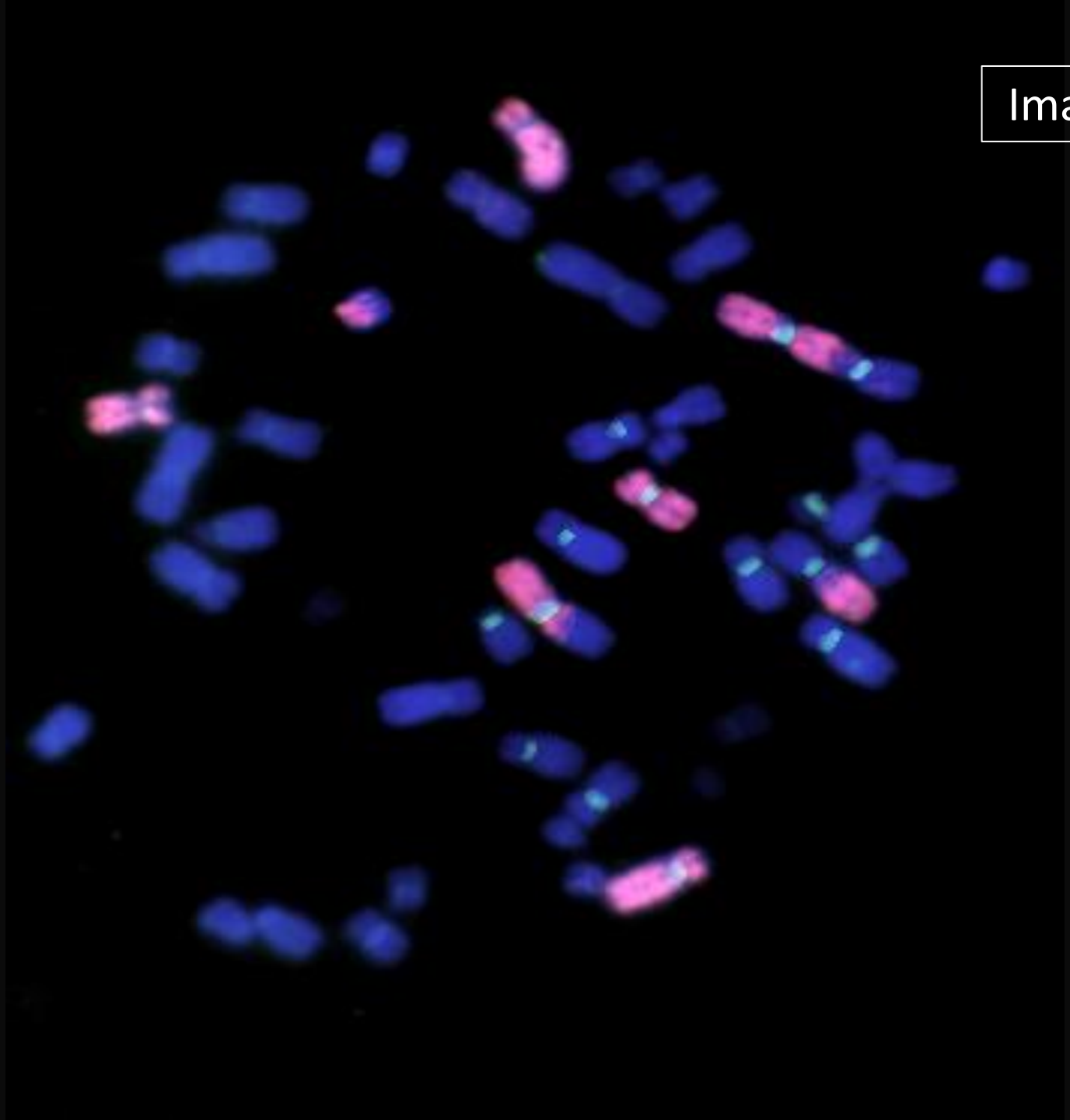
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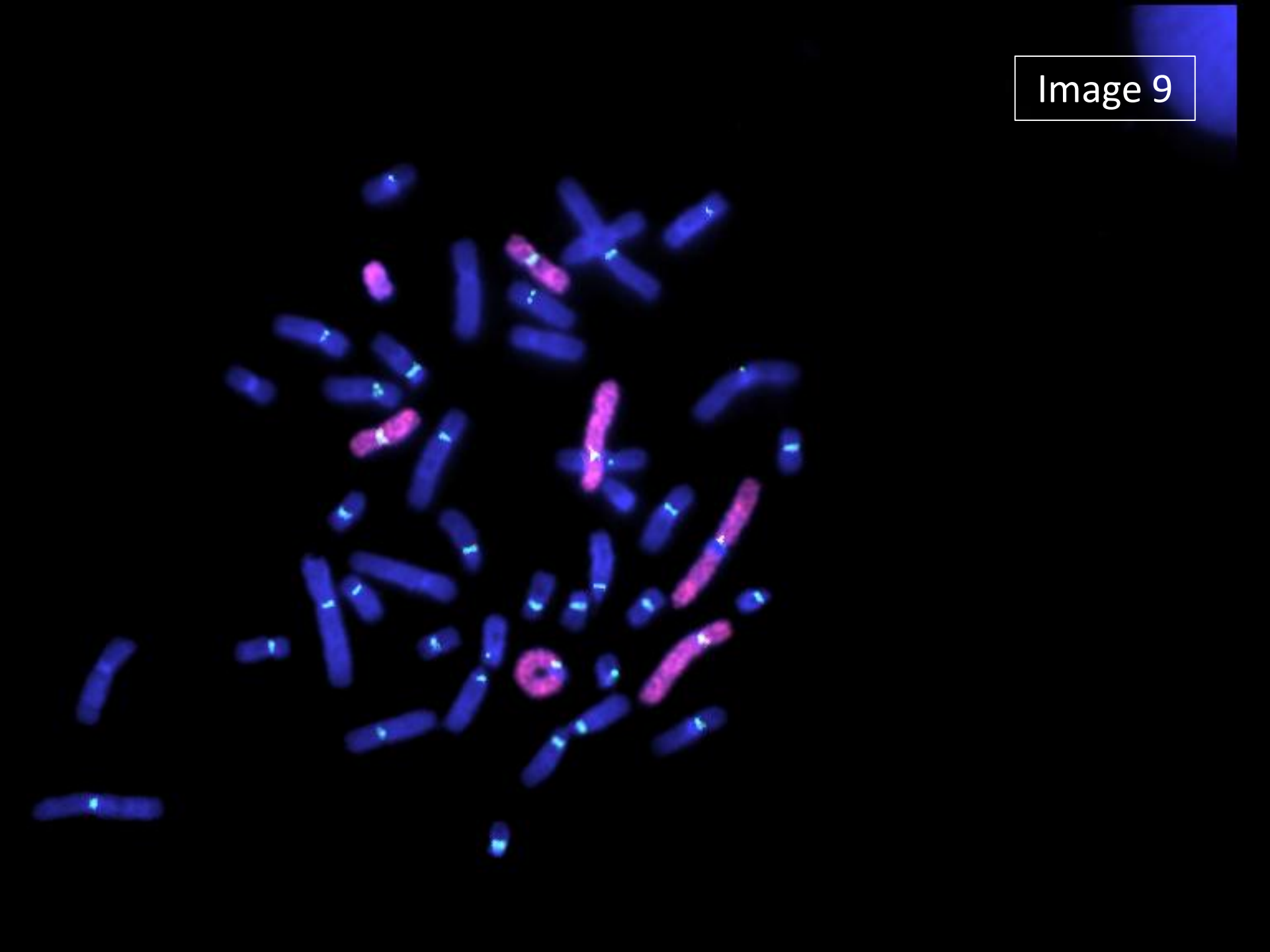
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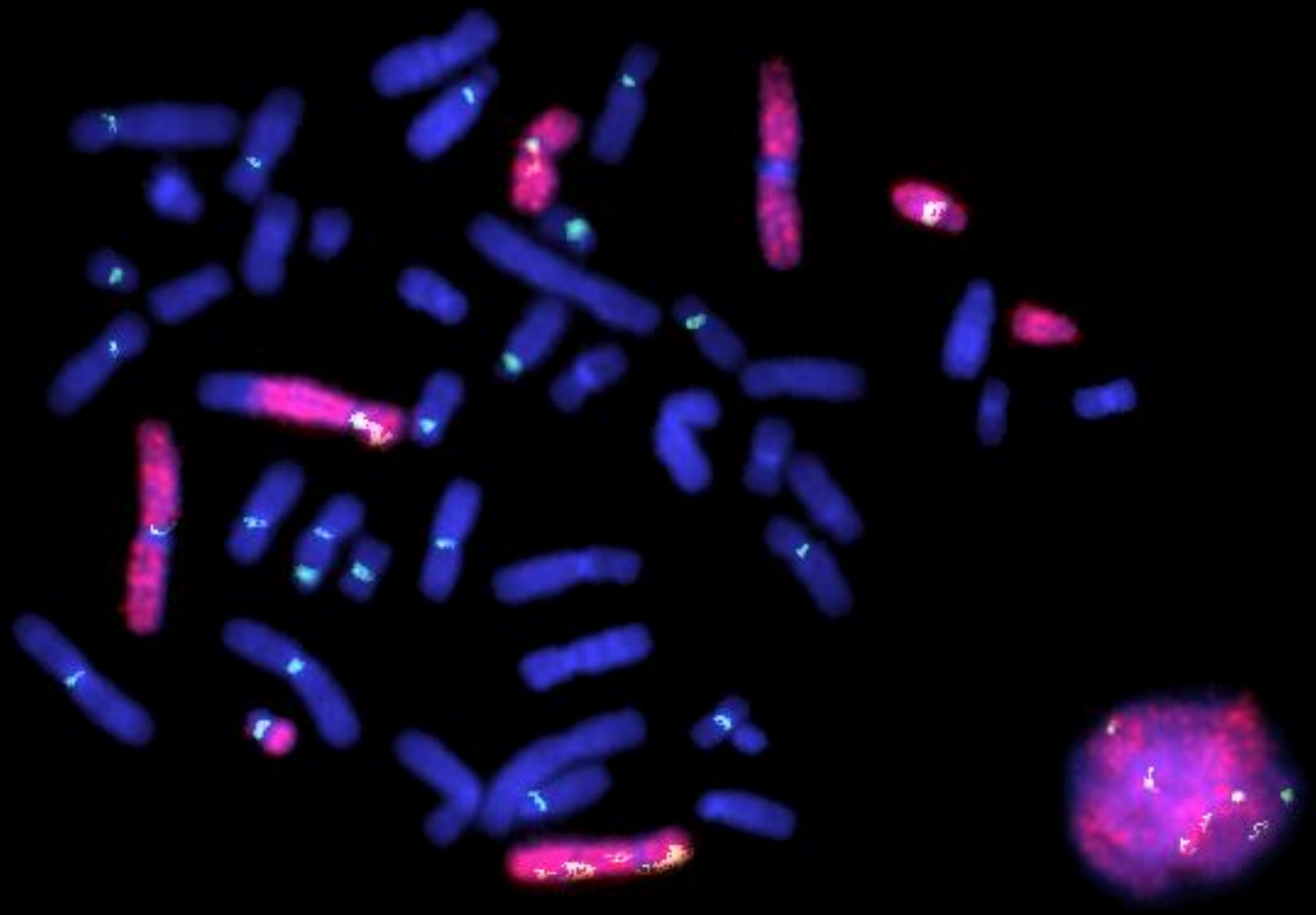
Image 10



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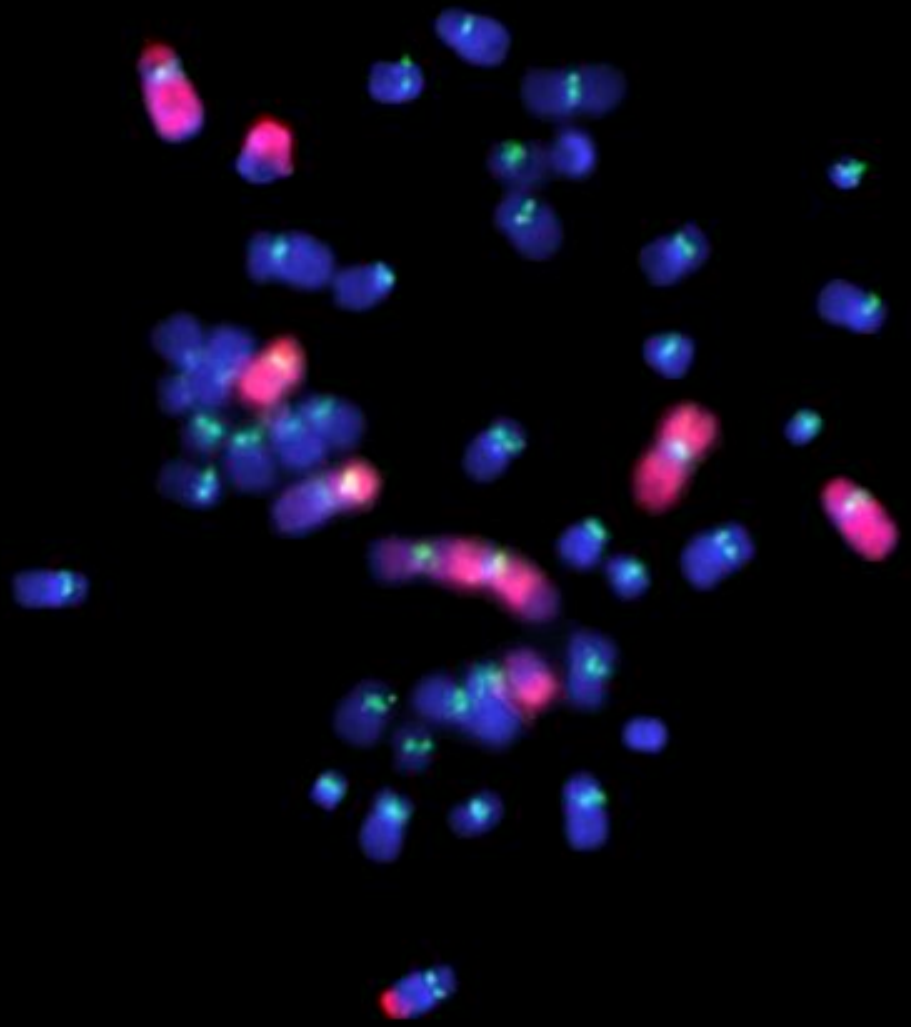

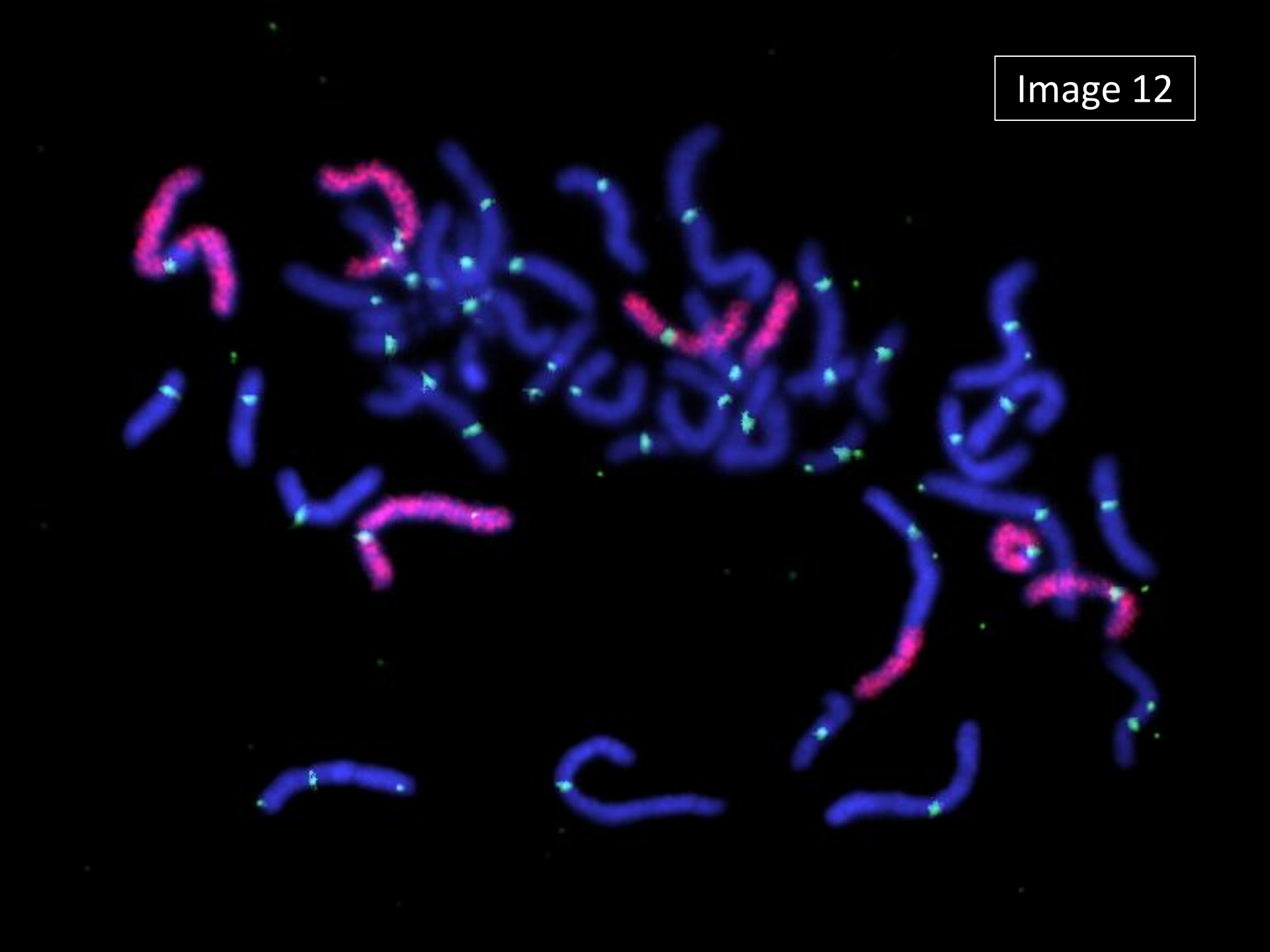
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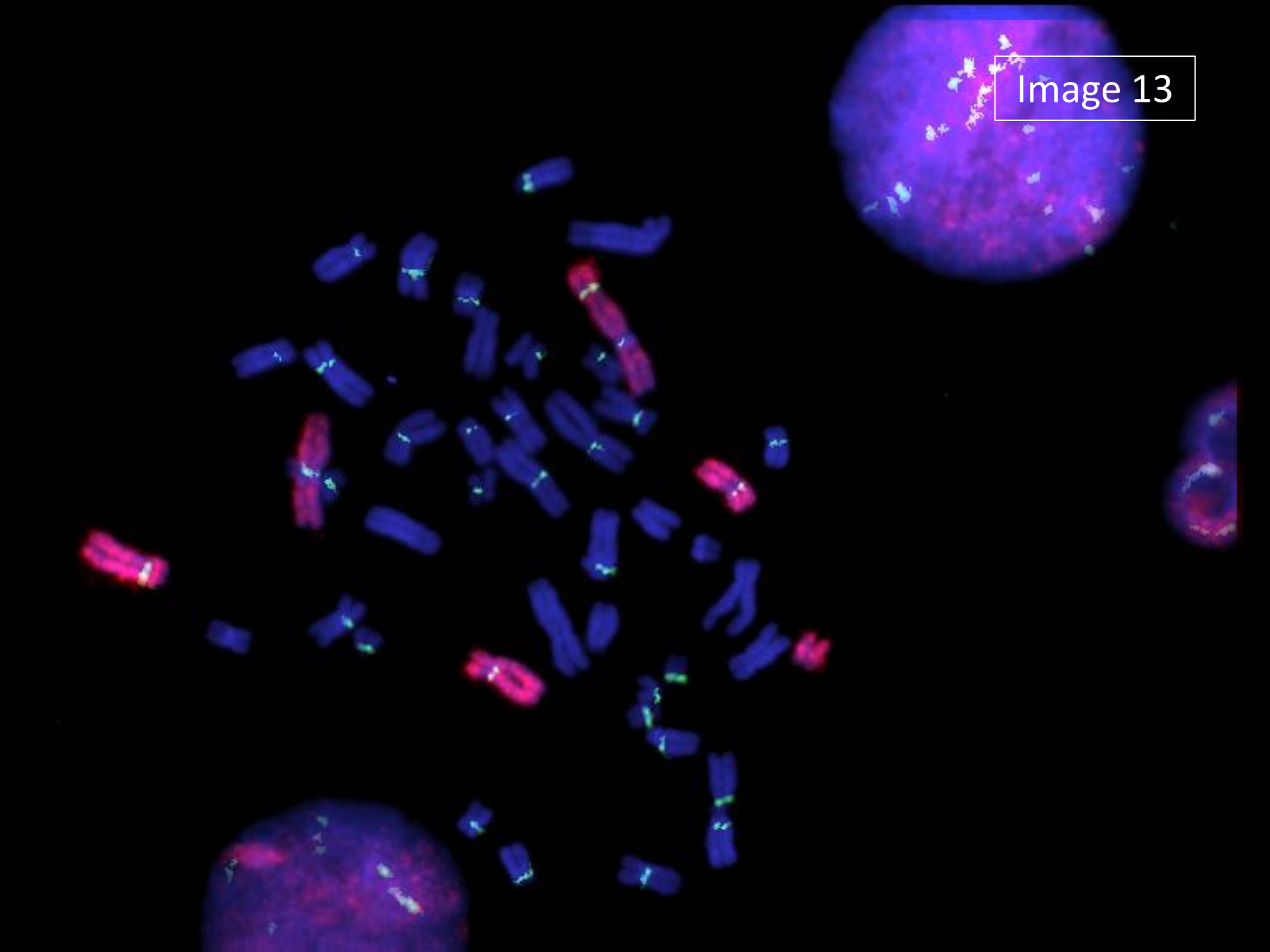
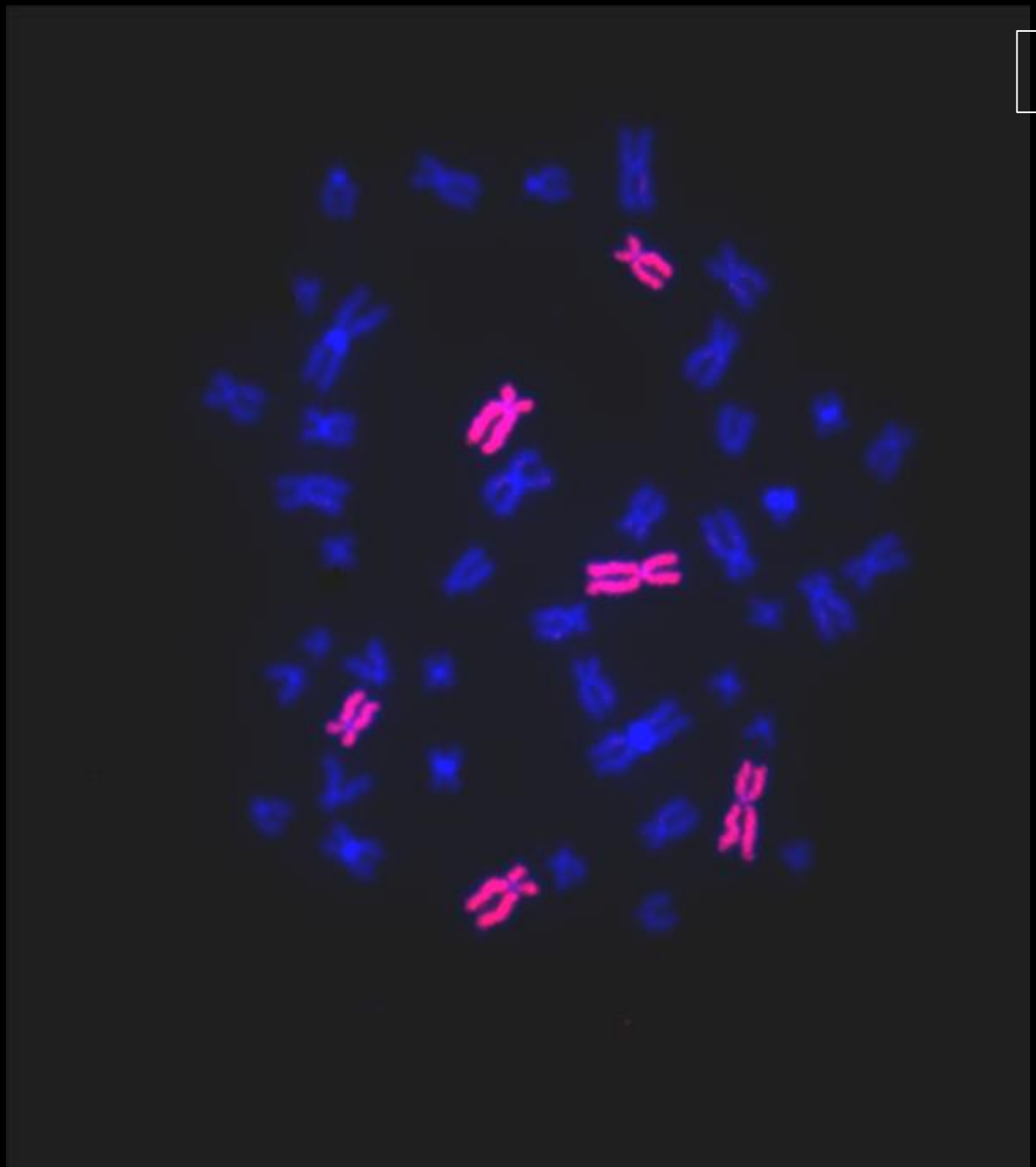
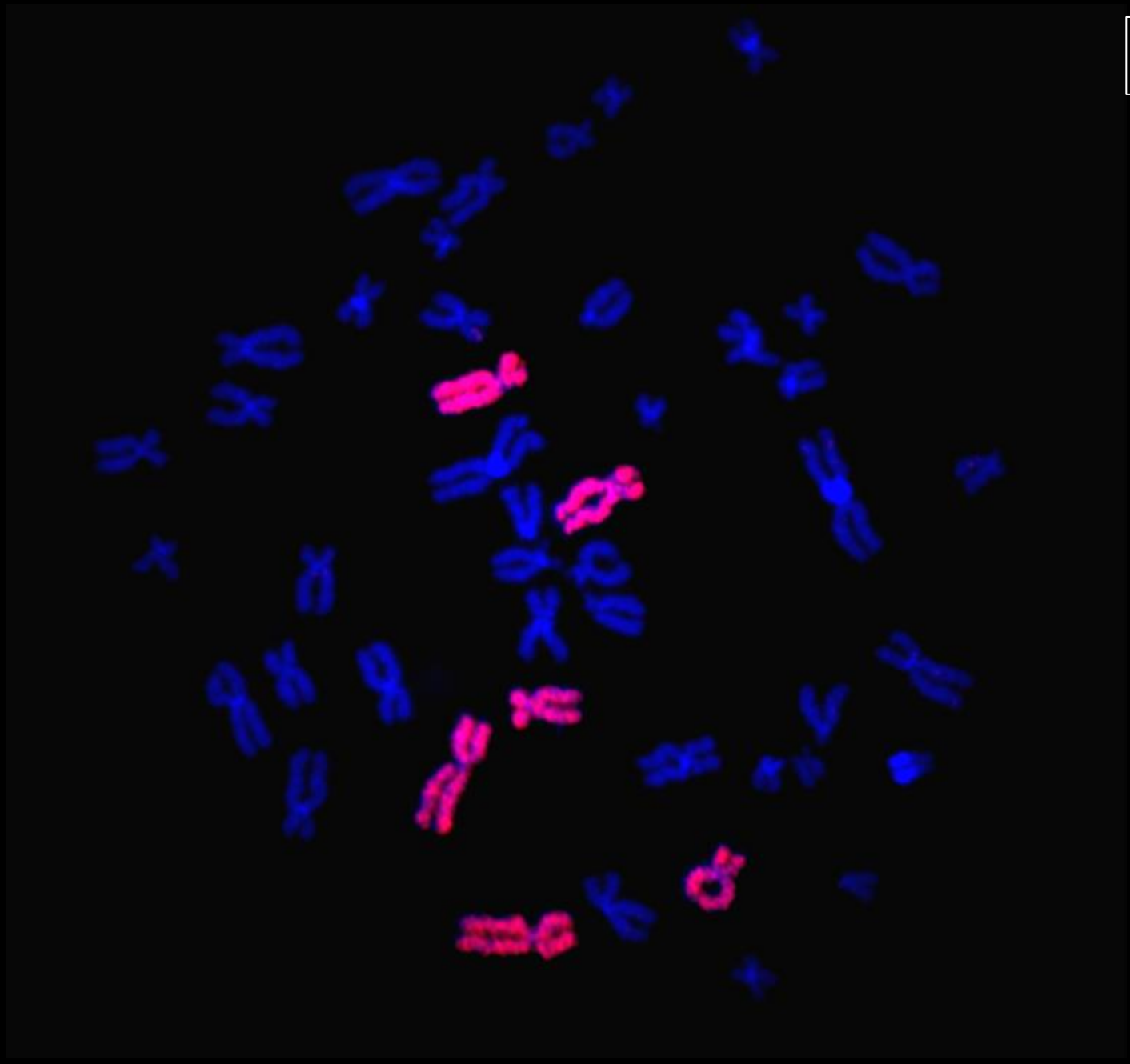


Image 13

Three chromosomes painting (red) and DAPI centromere visualisation and counterstaining (blue)

Image 14





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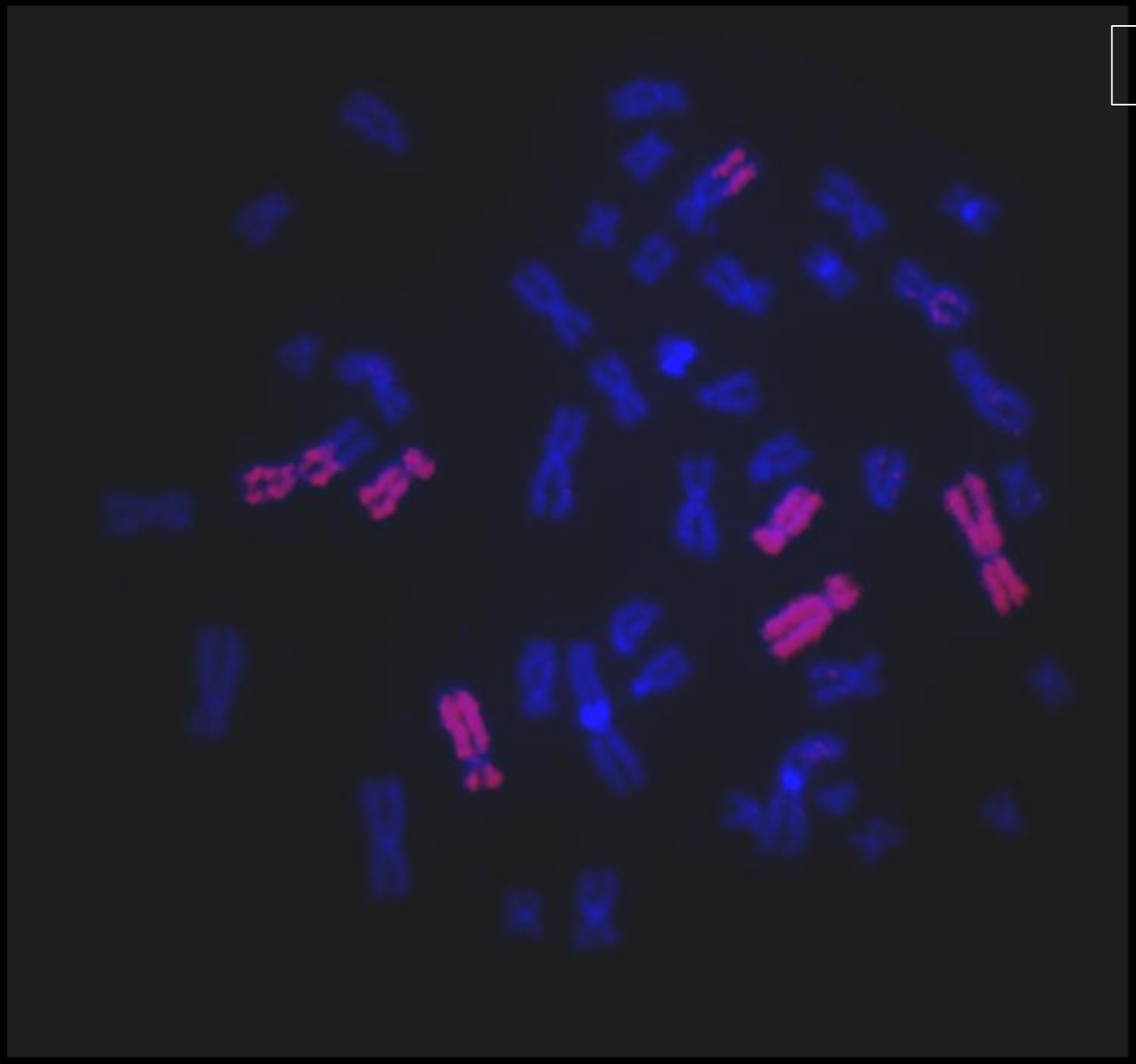

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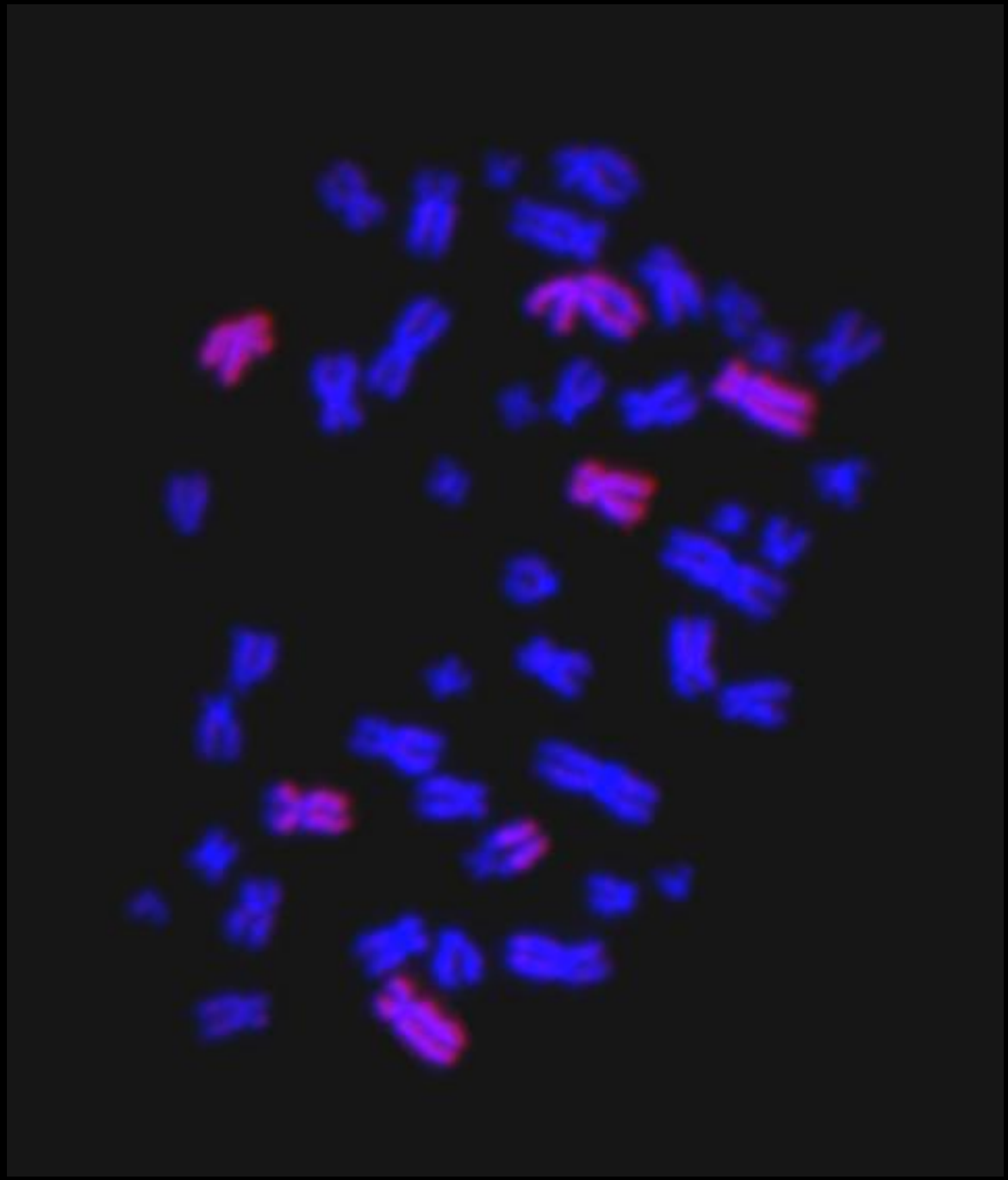
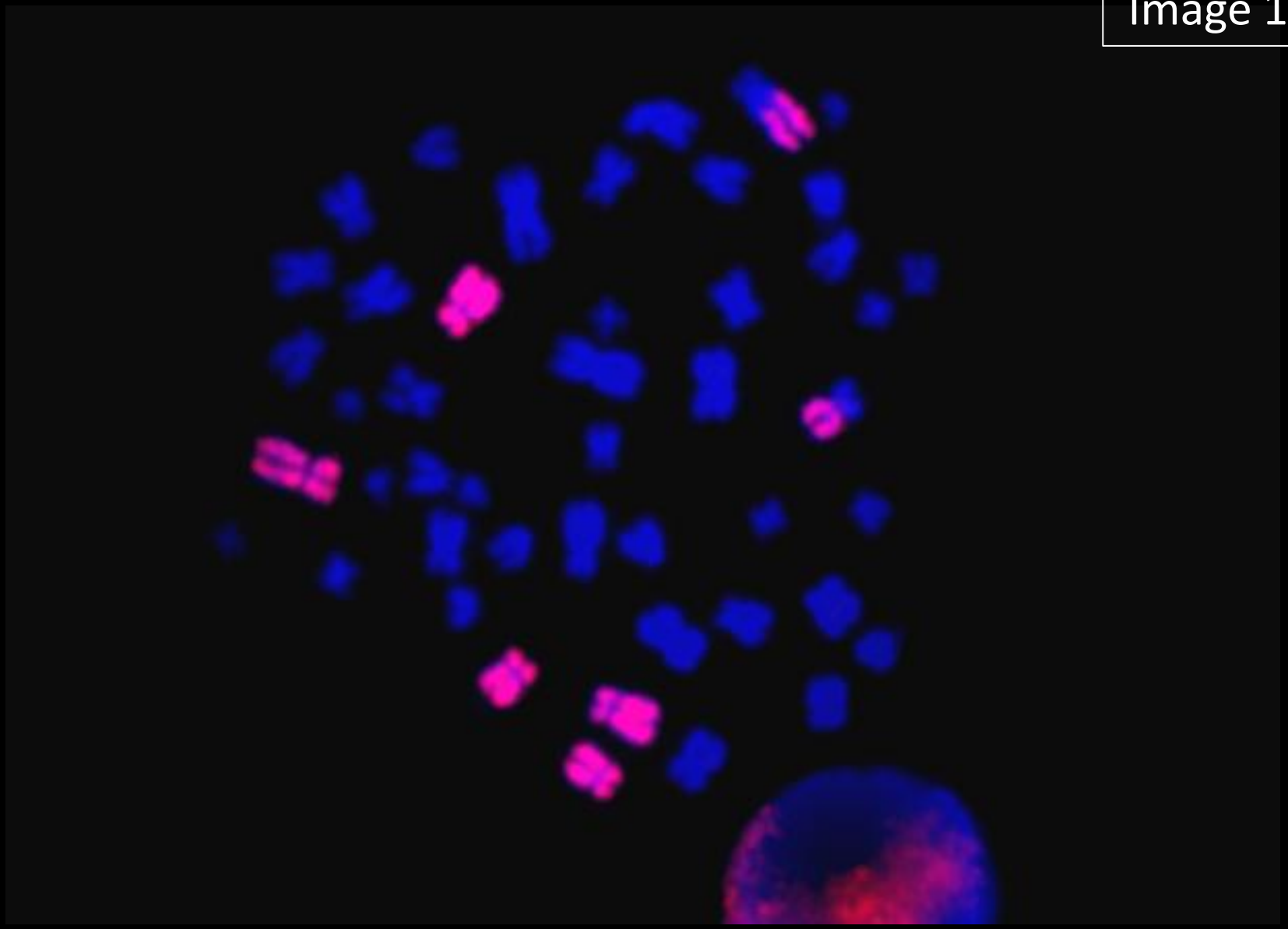


Image 17

Image 18



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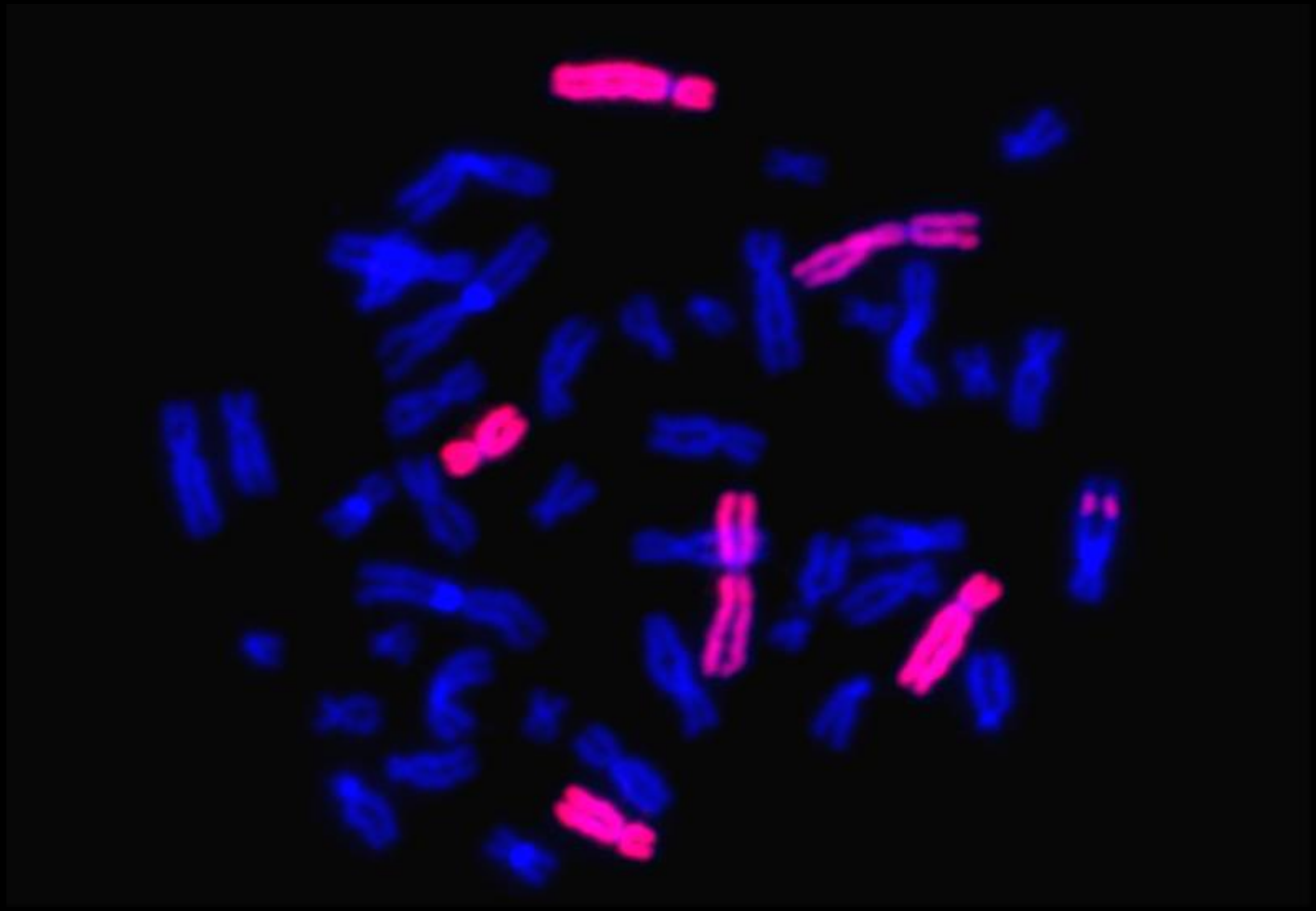

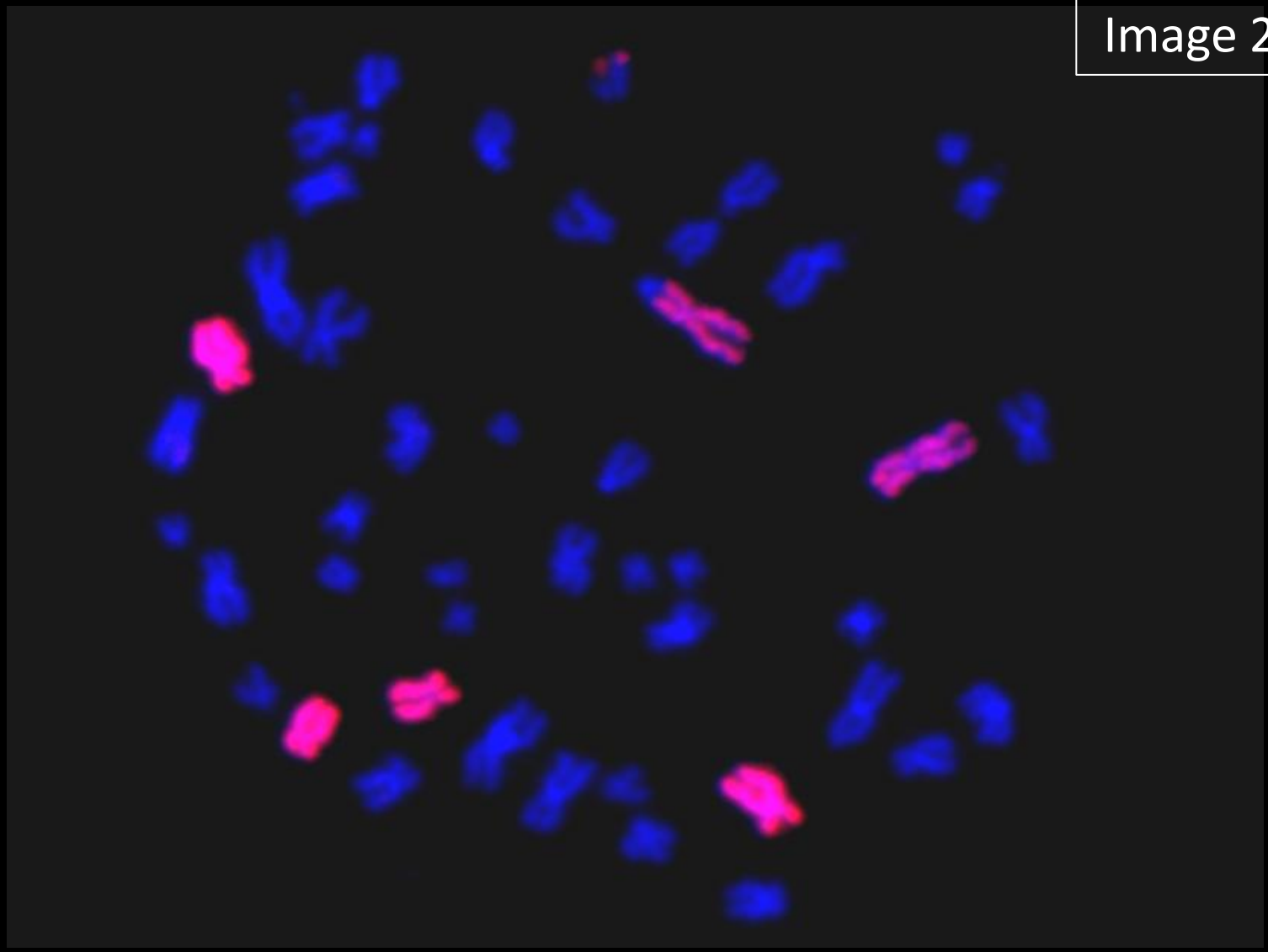
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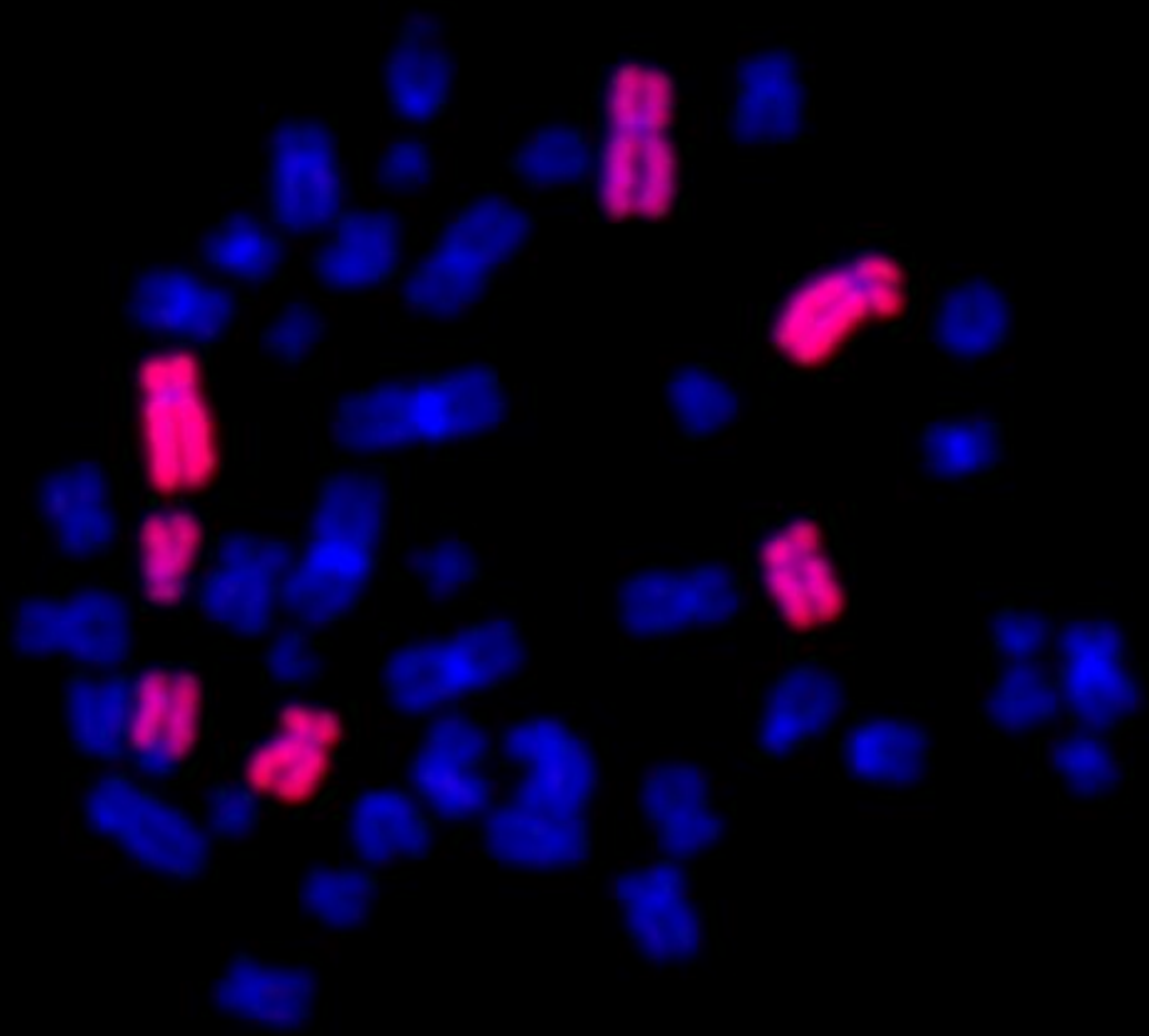
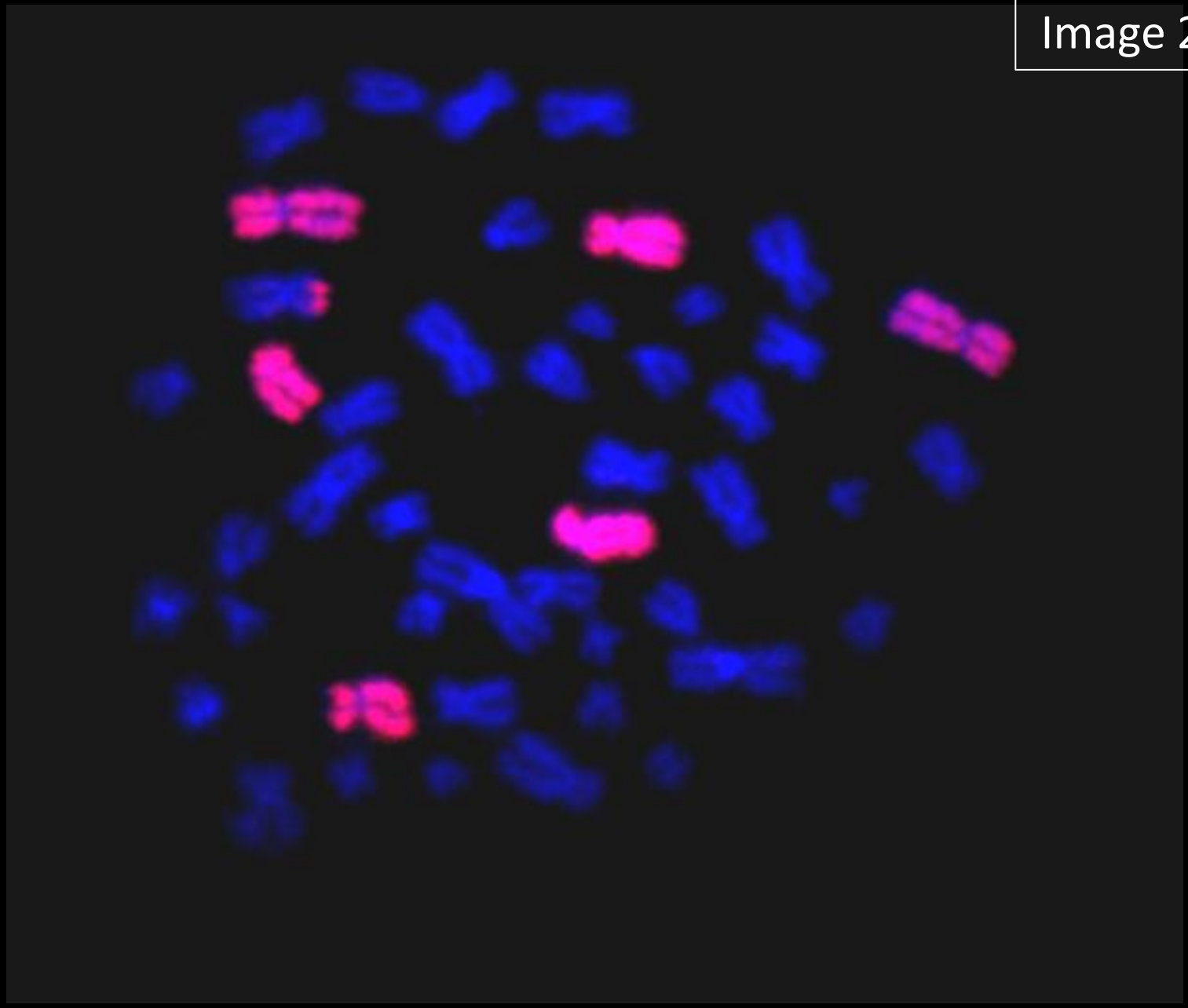
Image 21

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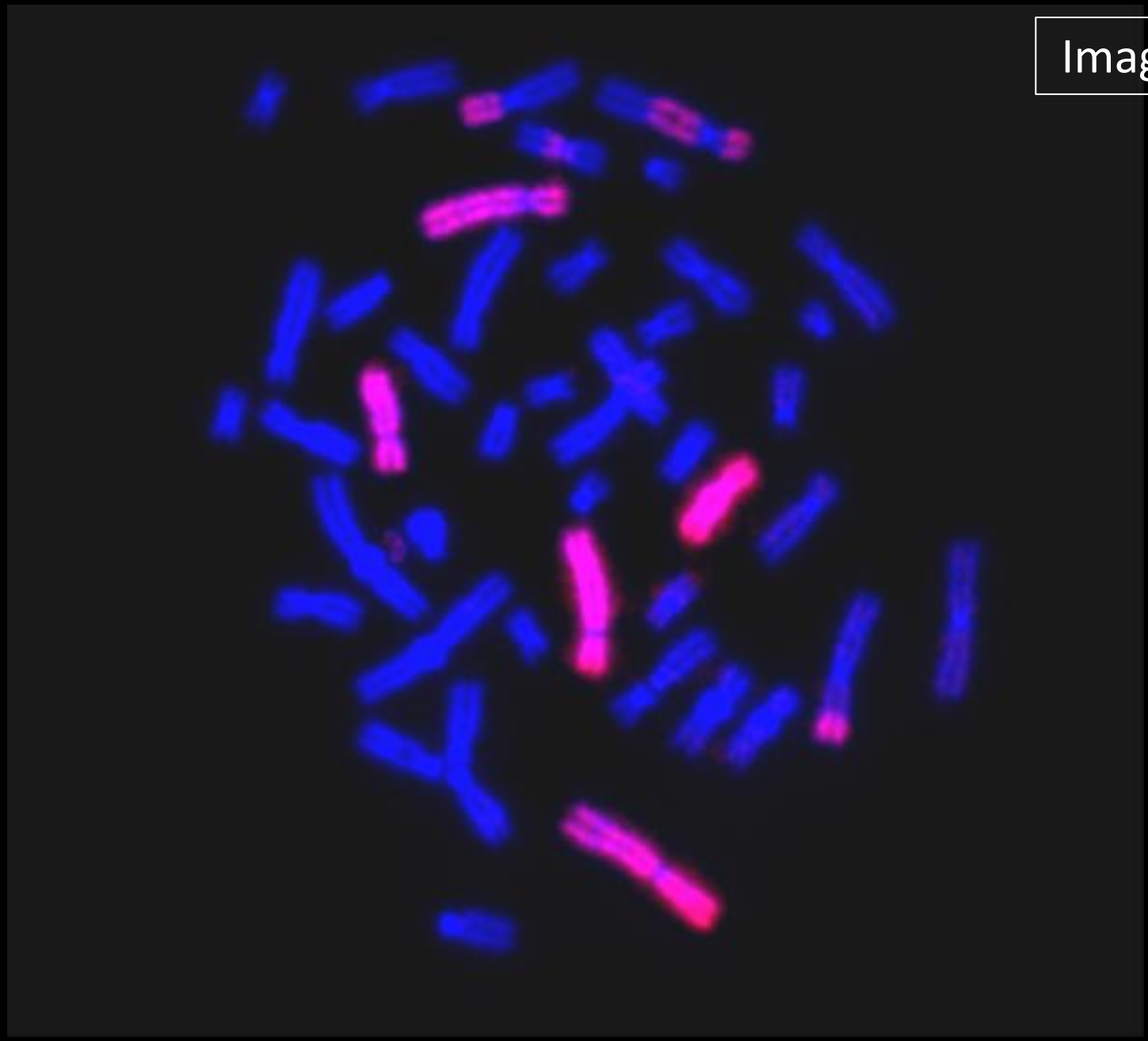
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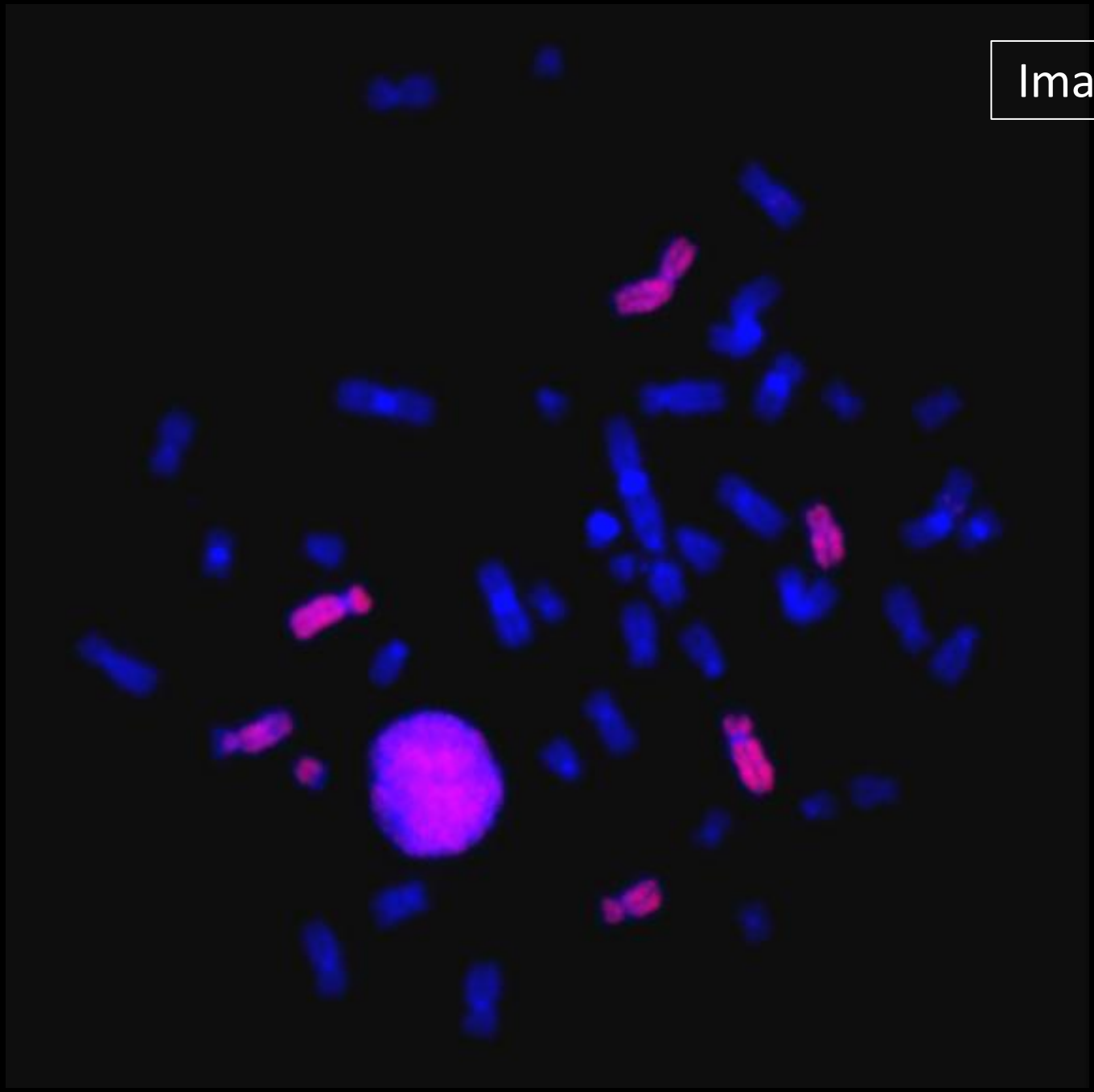
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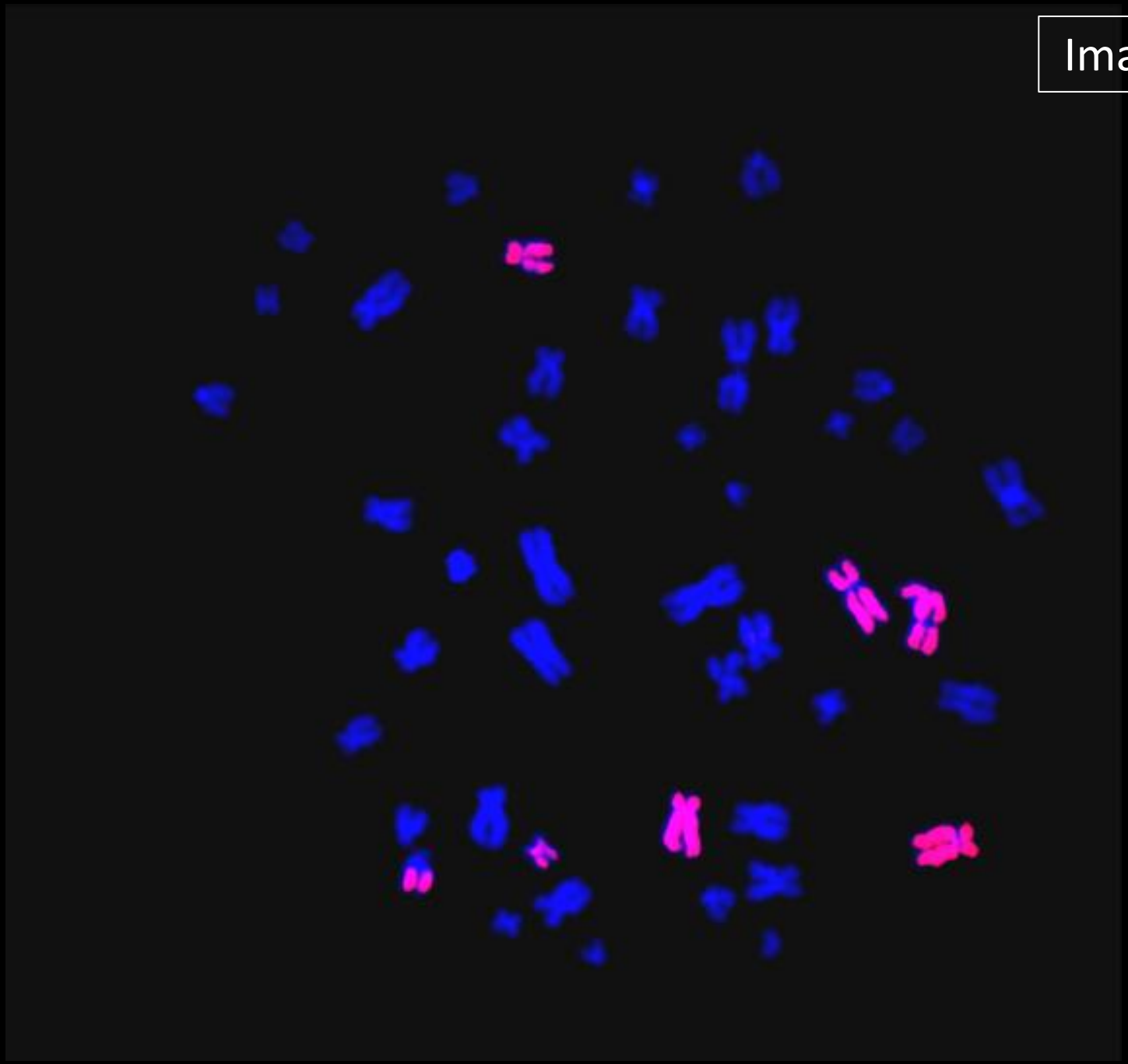
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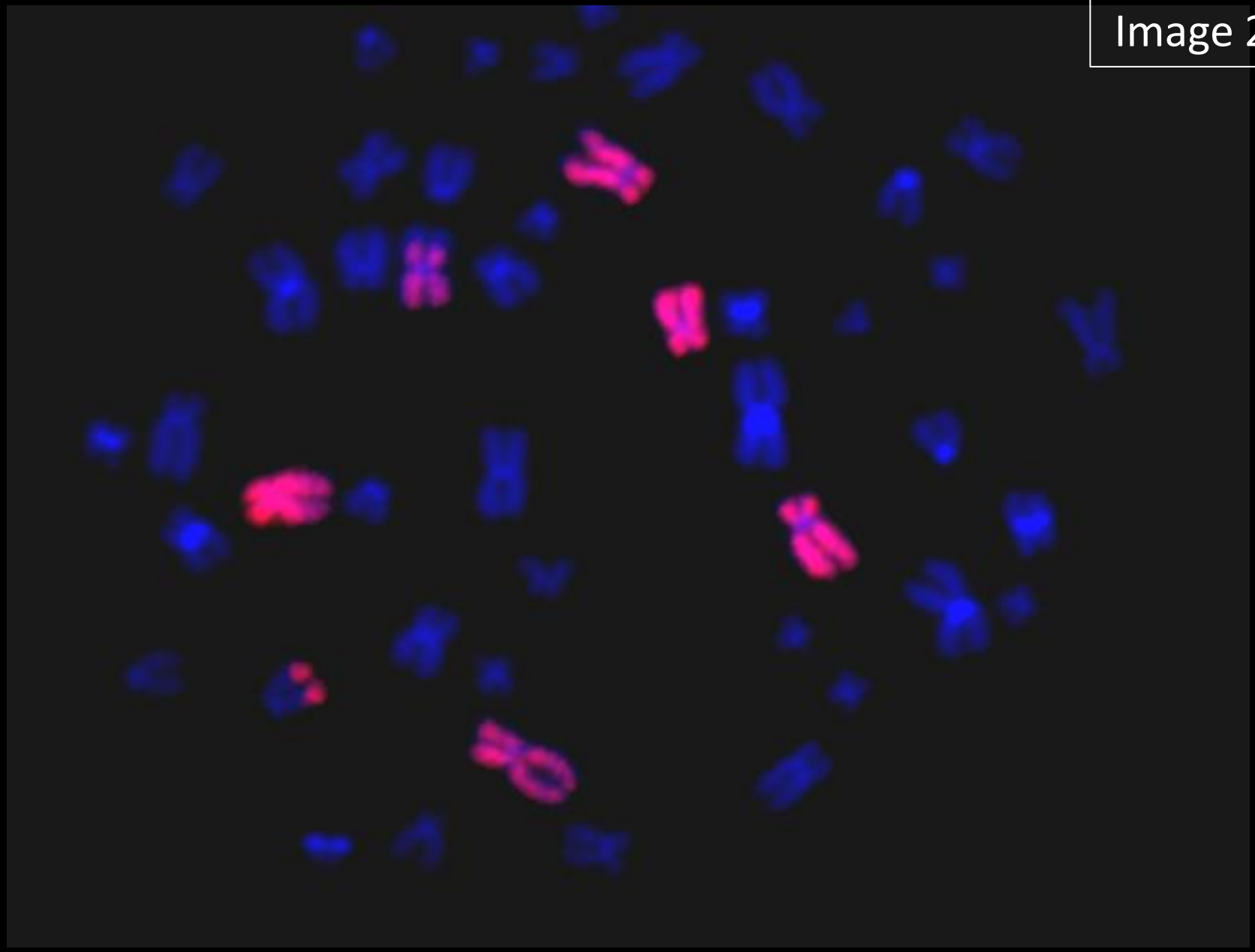
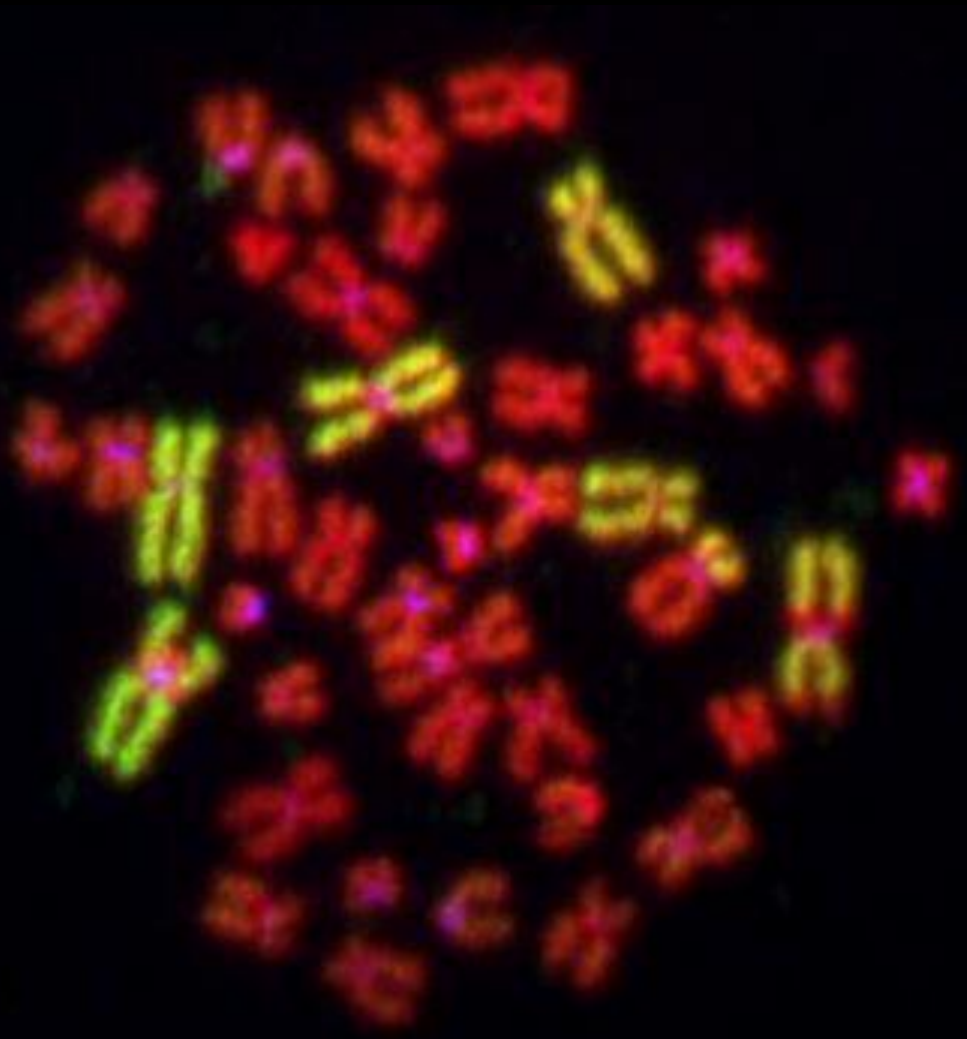
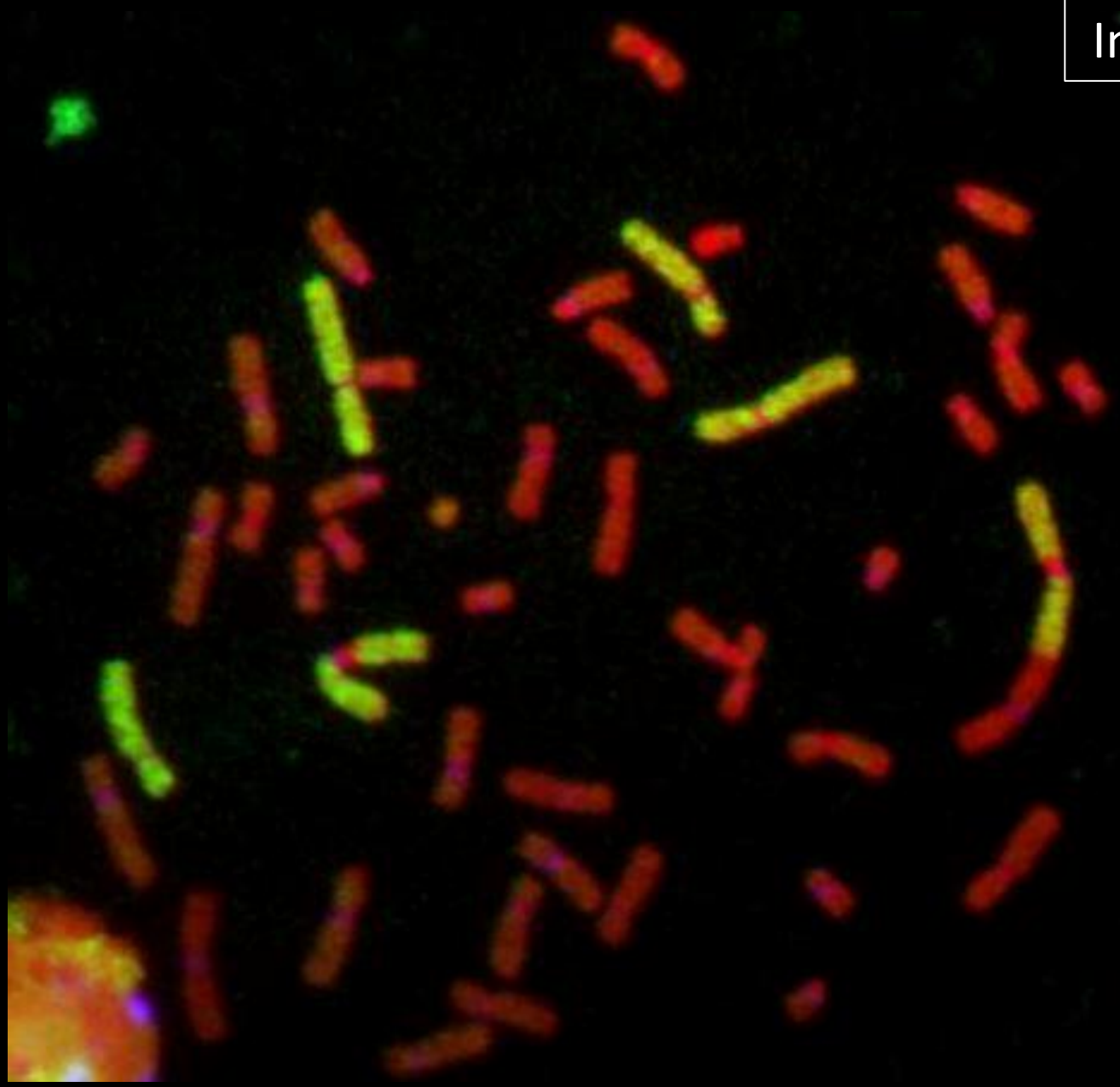


Image 26

Three chromosomes painting (yellow-green), pancentromeric probe (blue) and PI counterstaining (red)

Image 27

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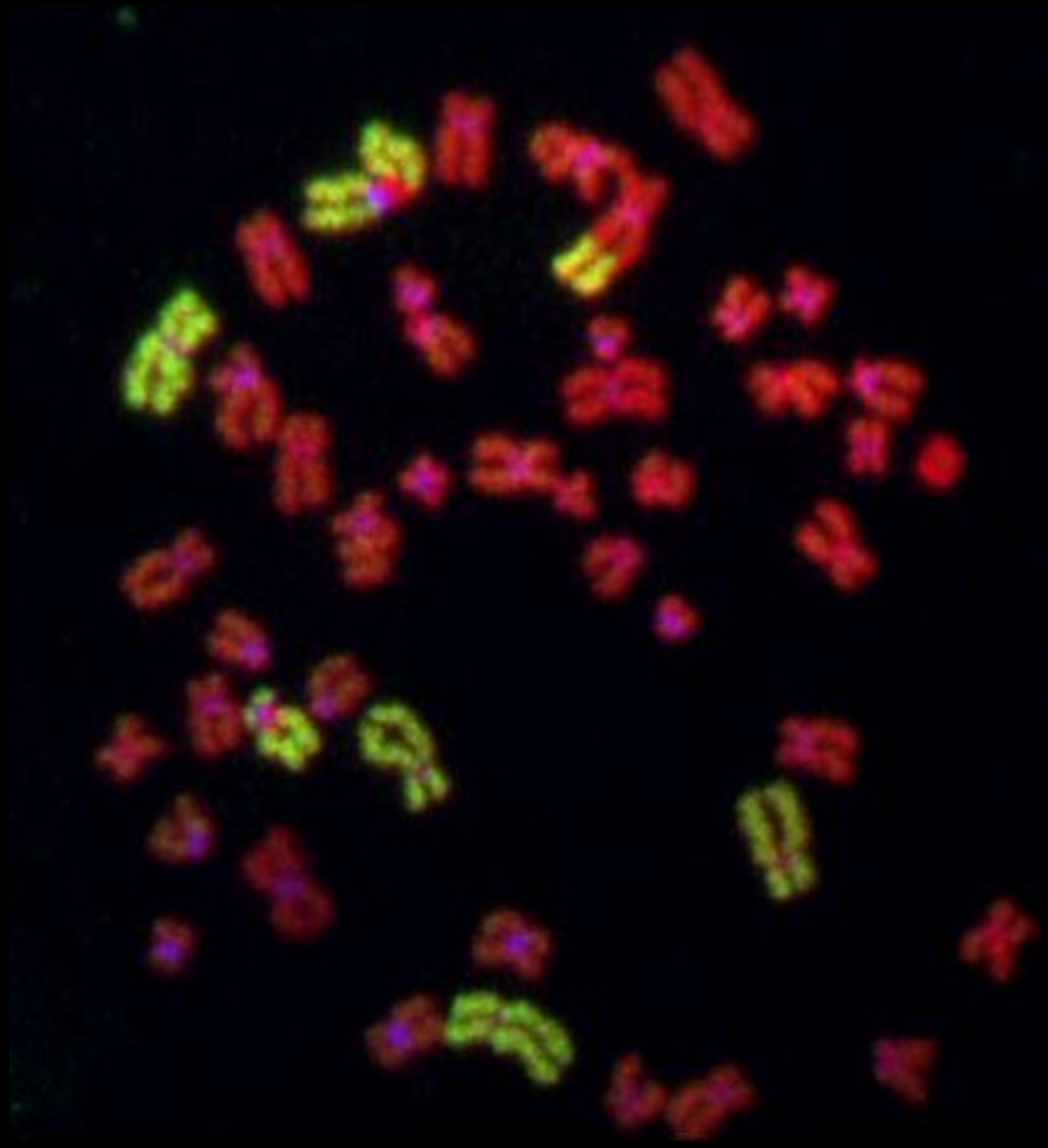

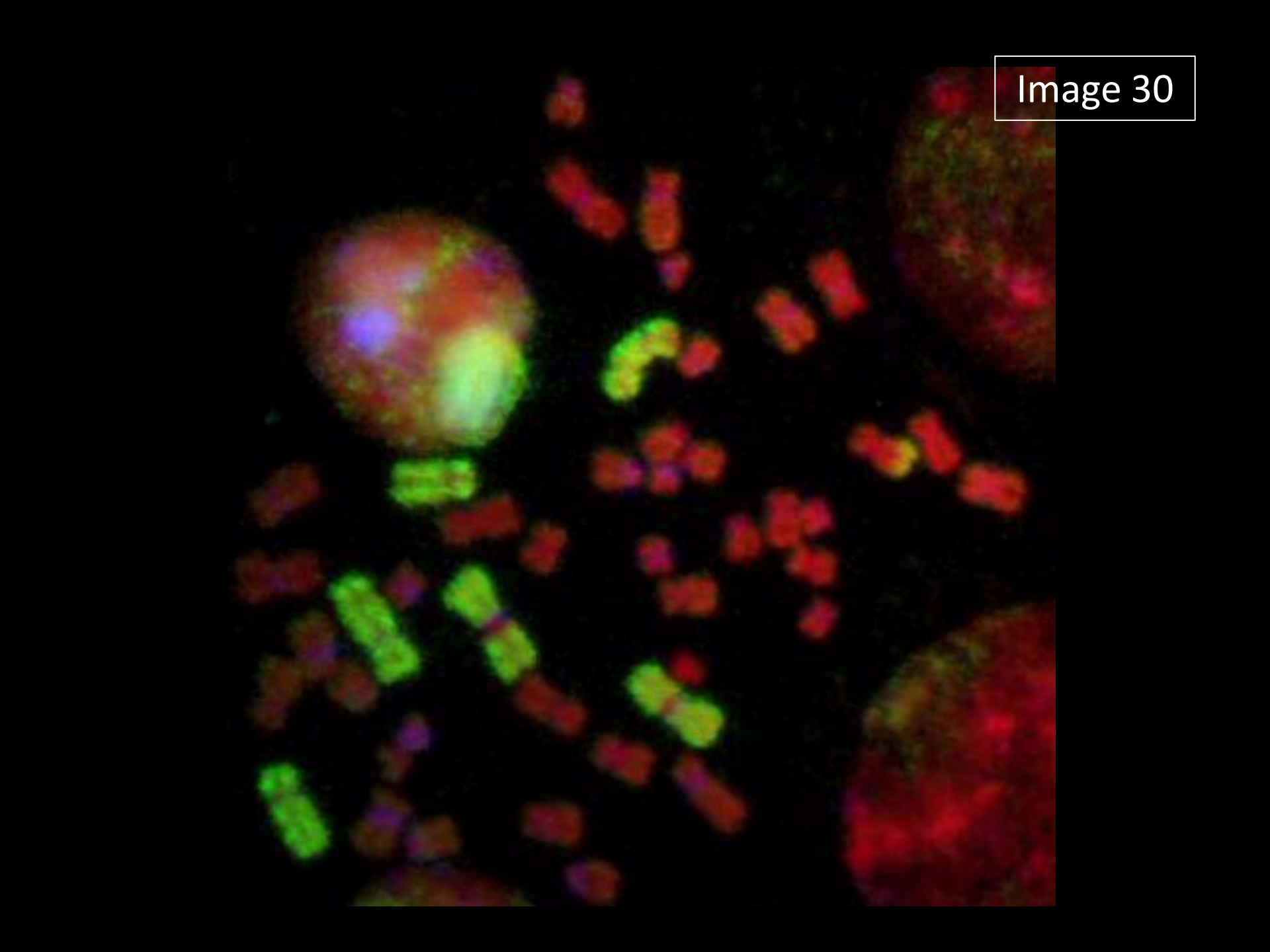
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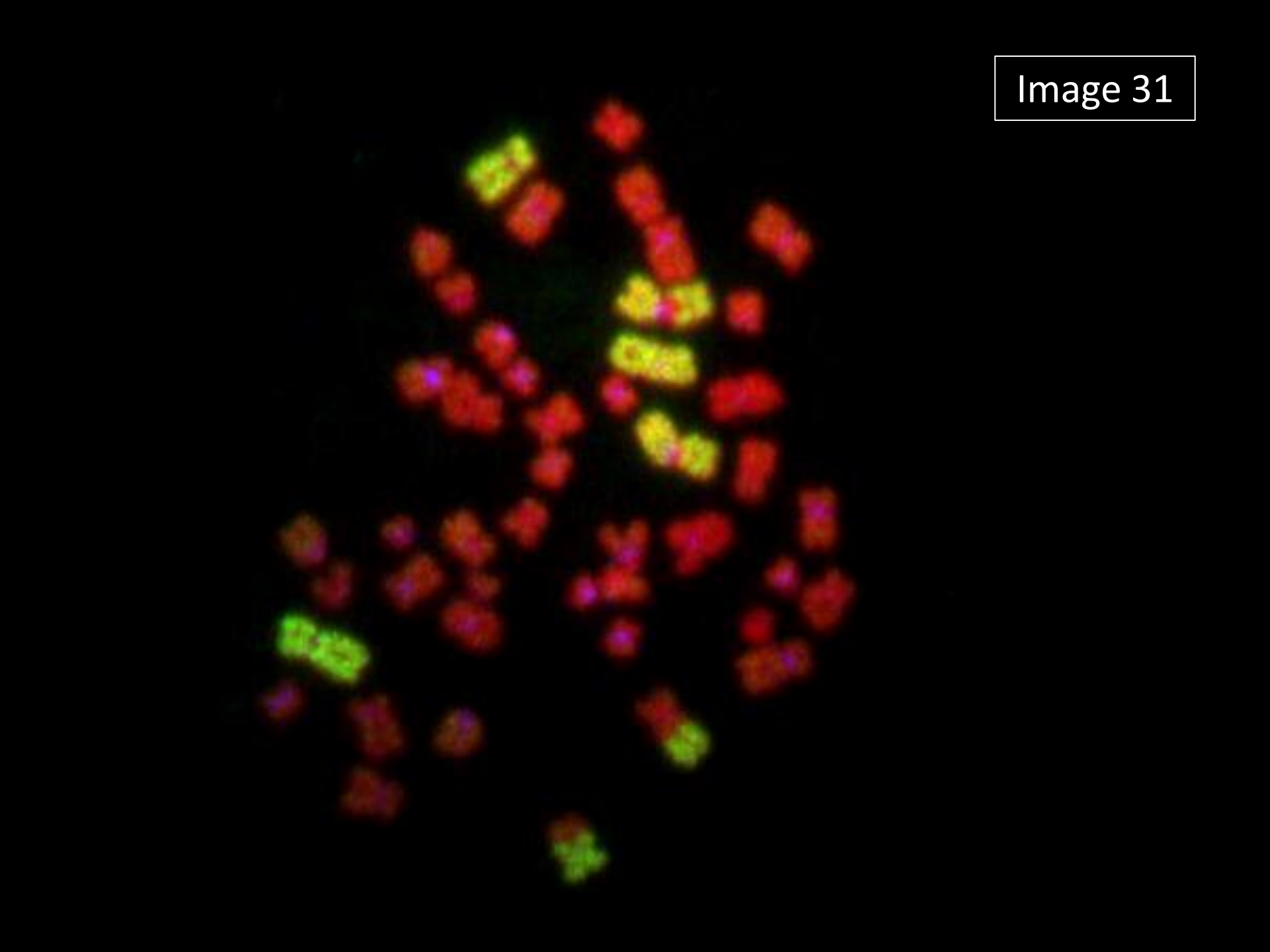
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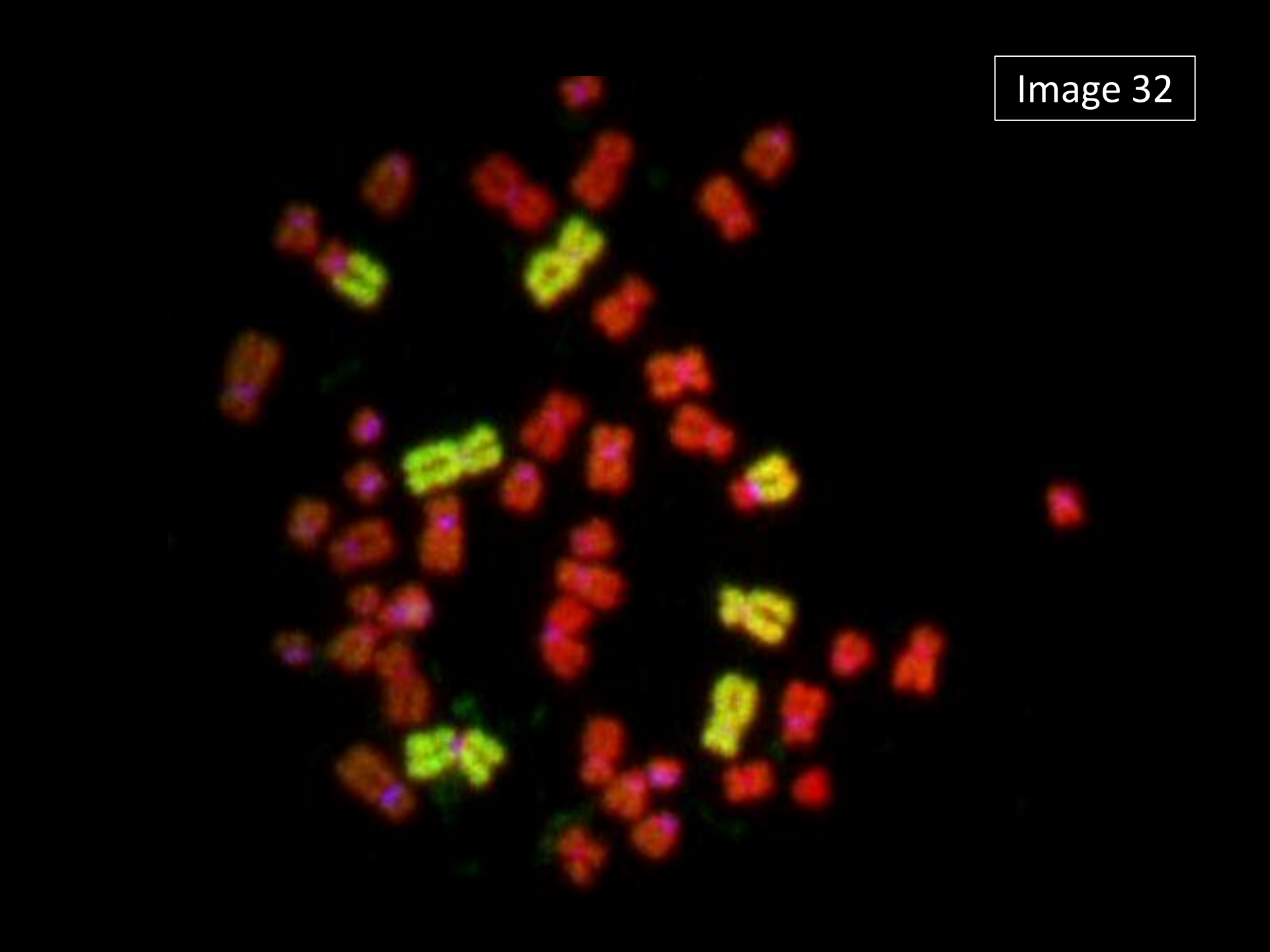
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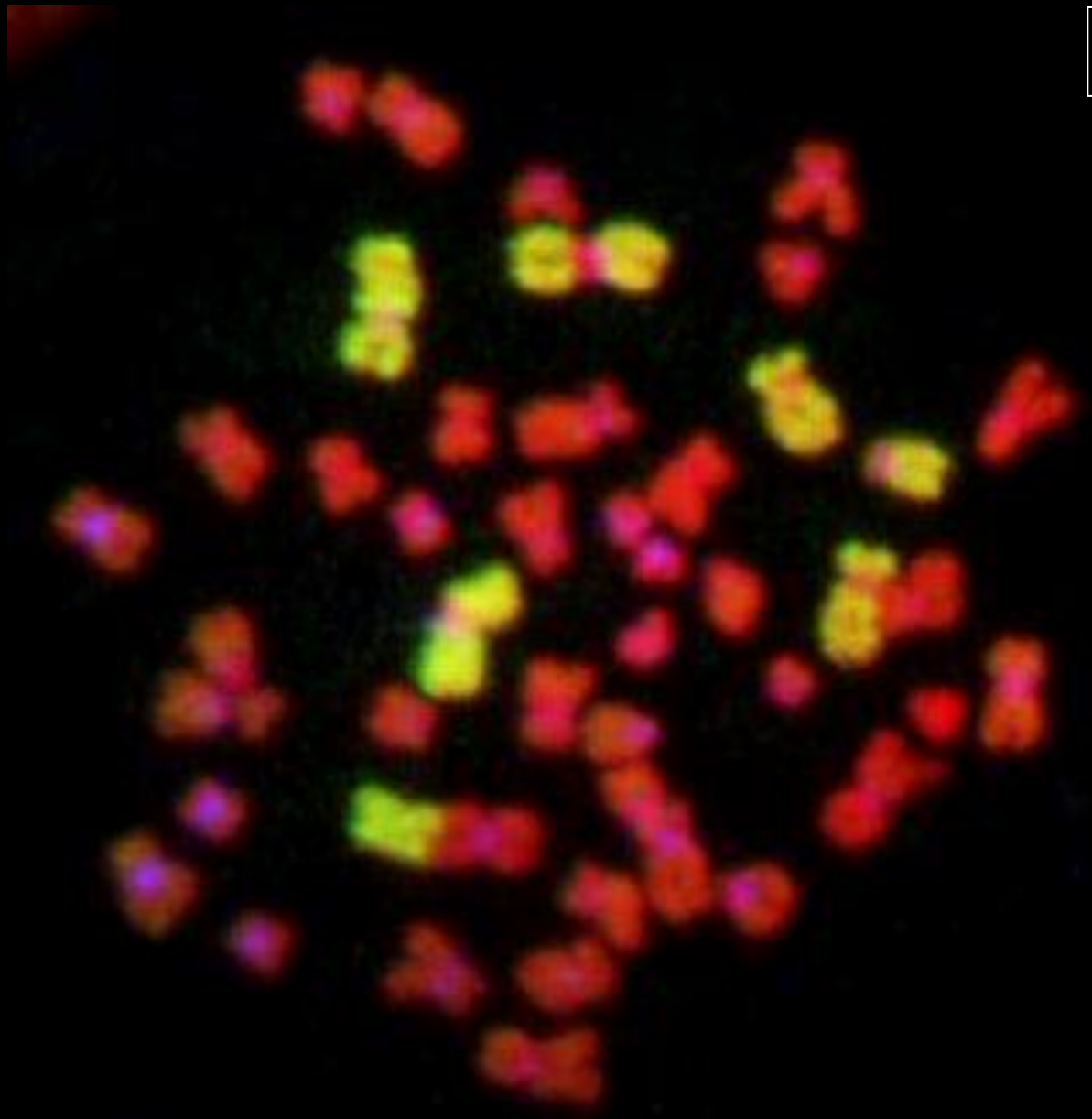
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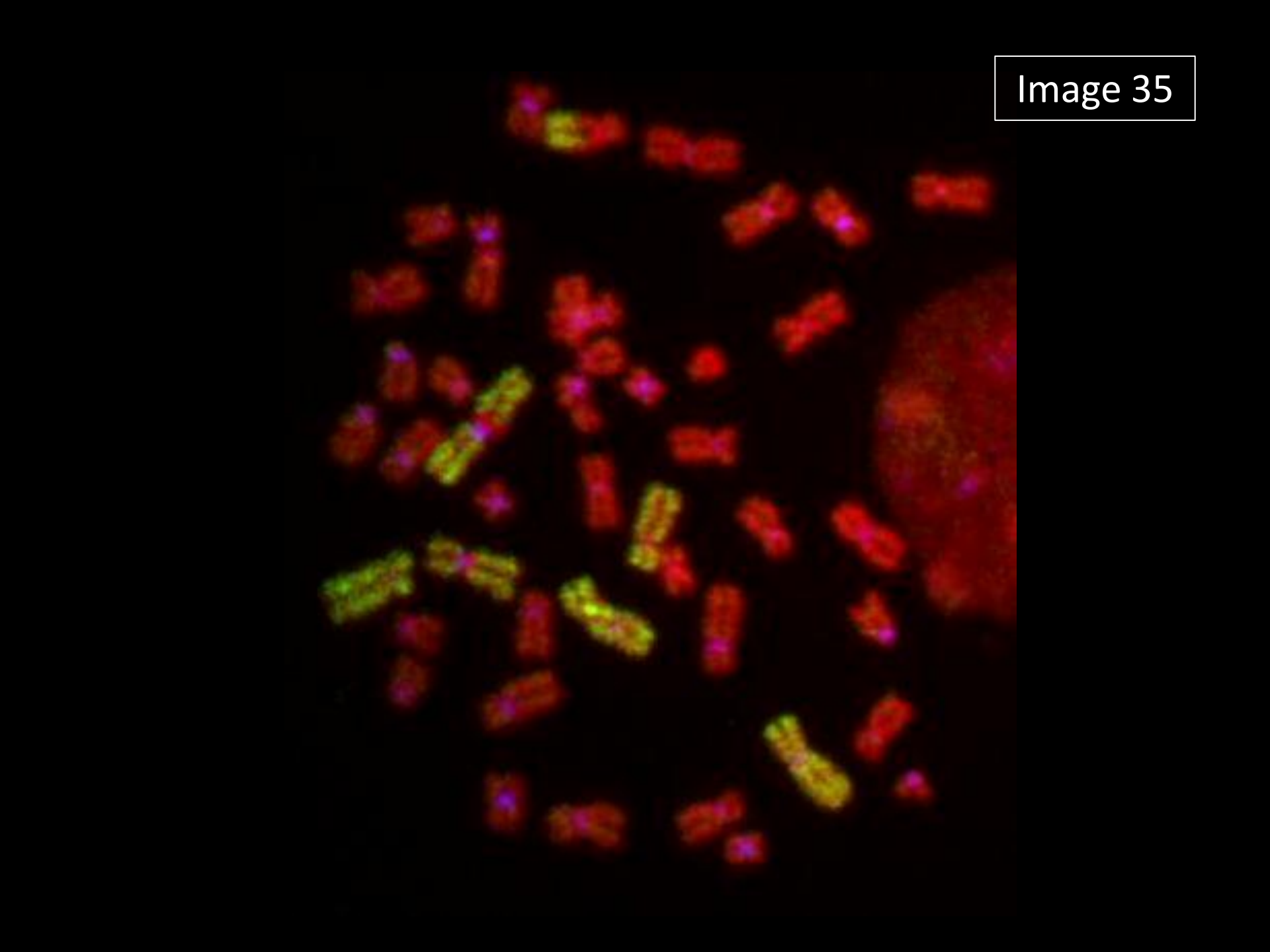
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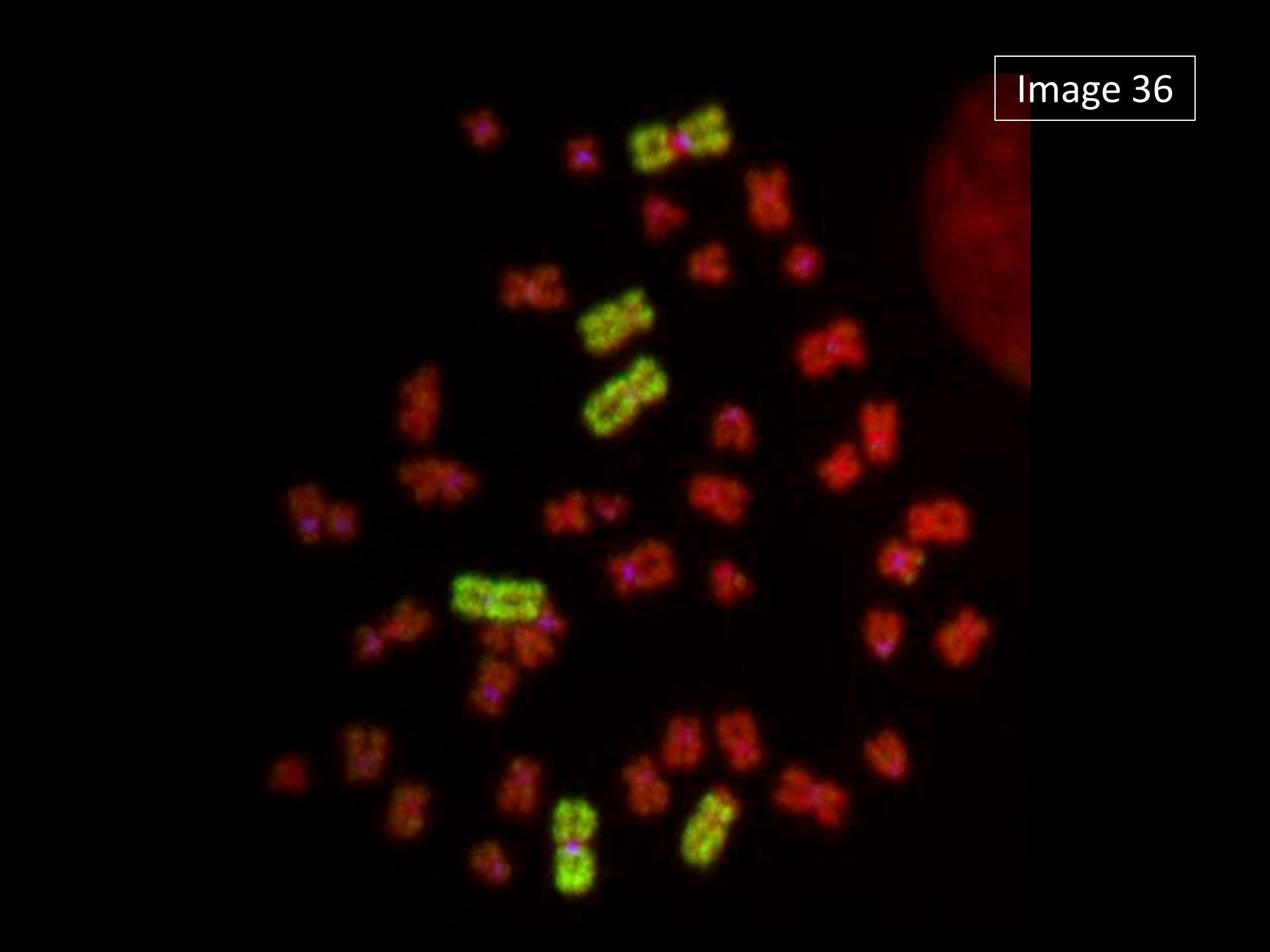
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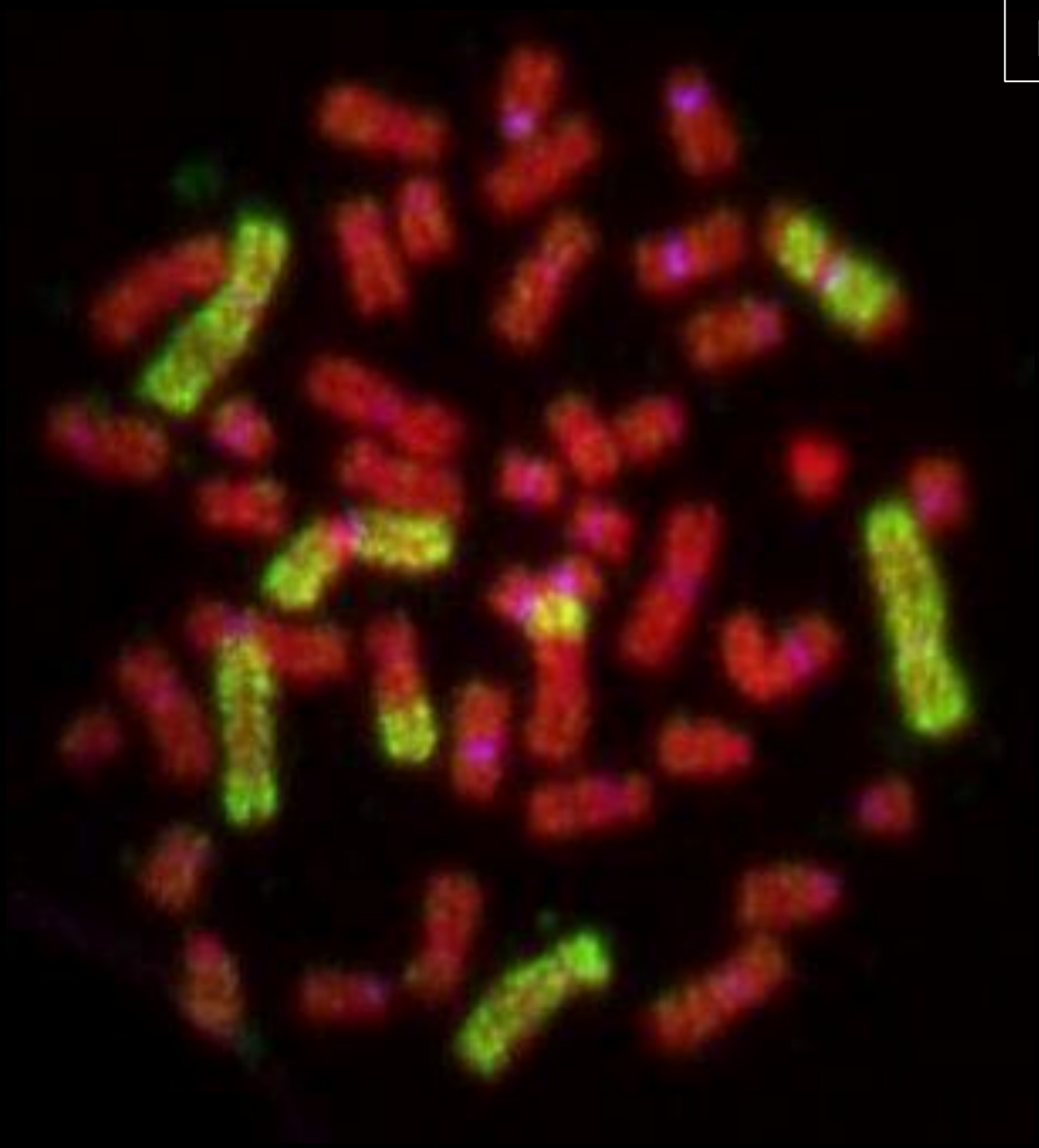
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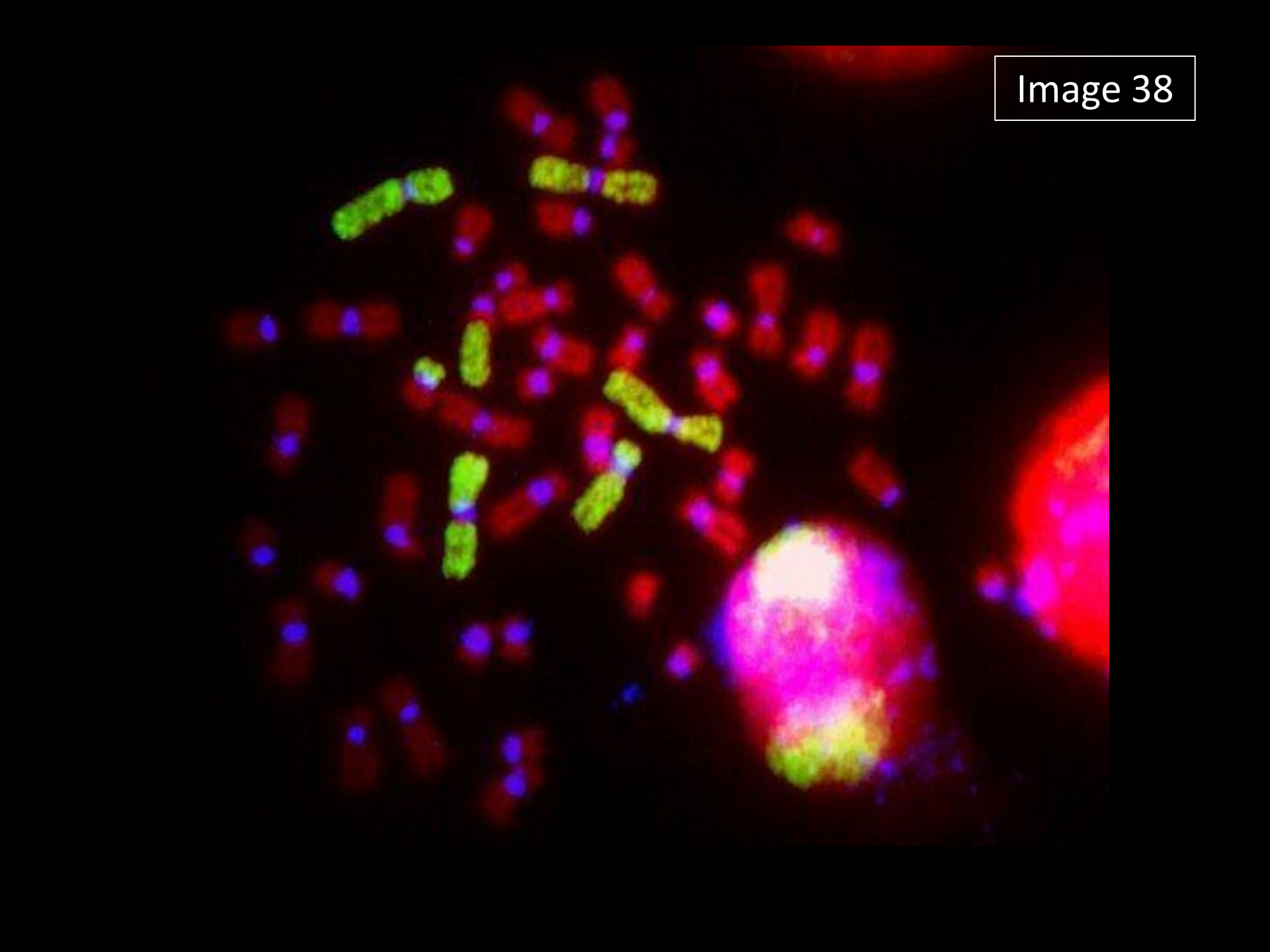
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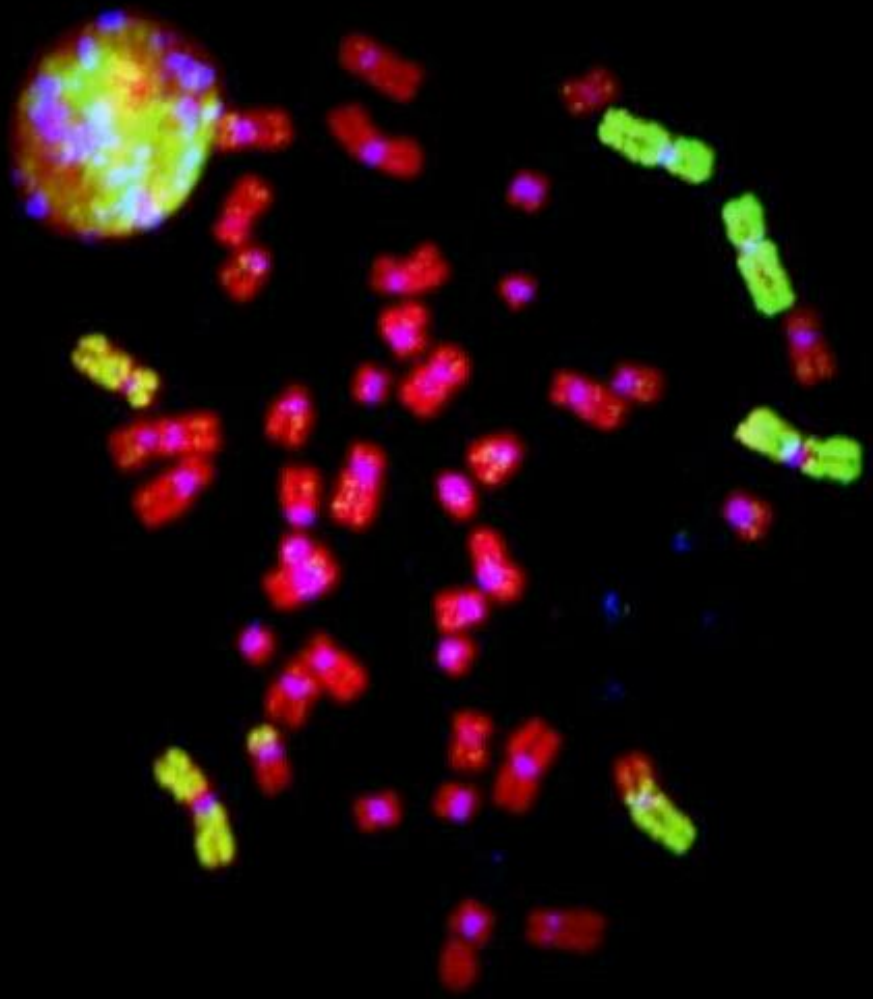


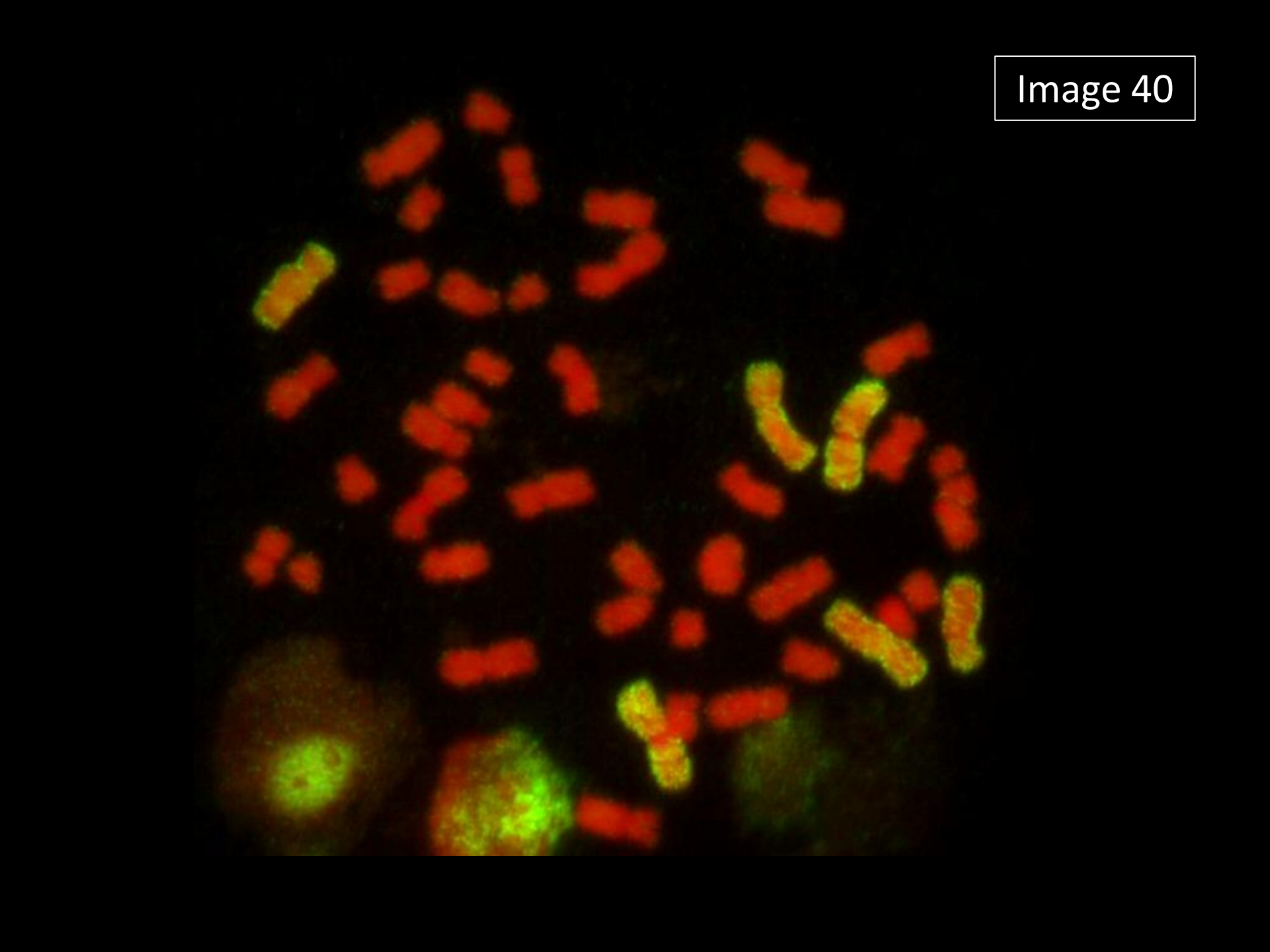
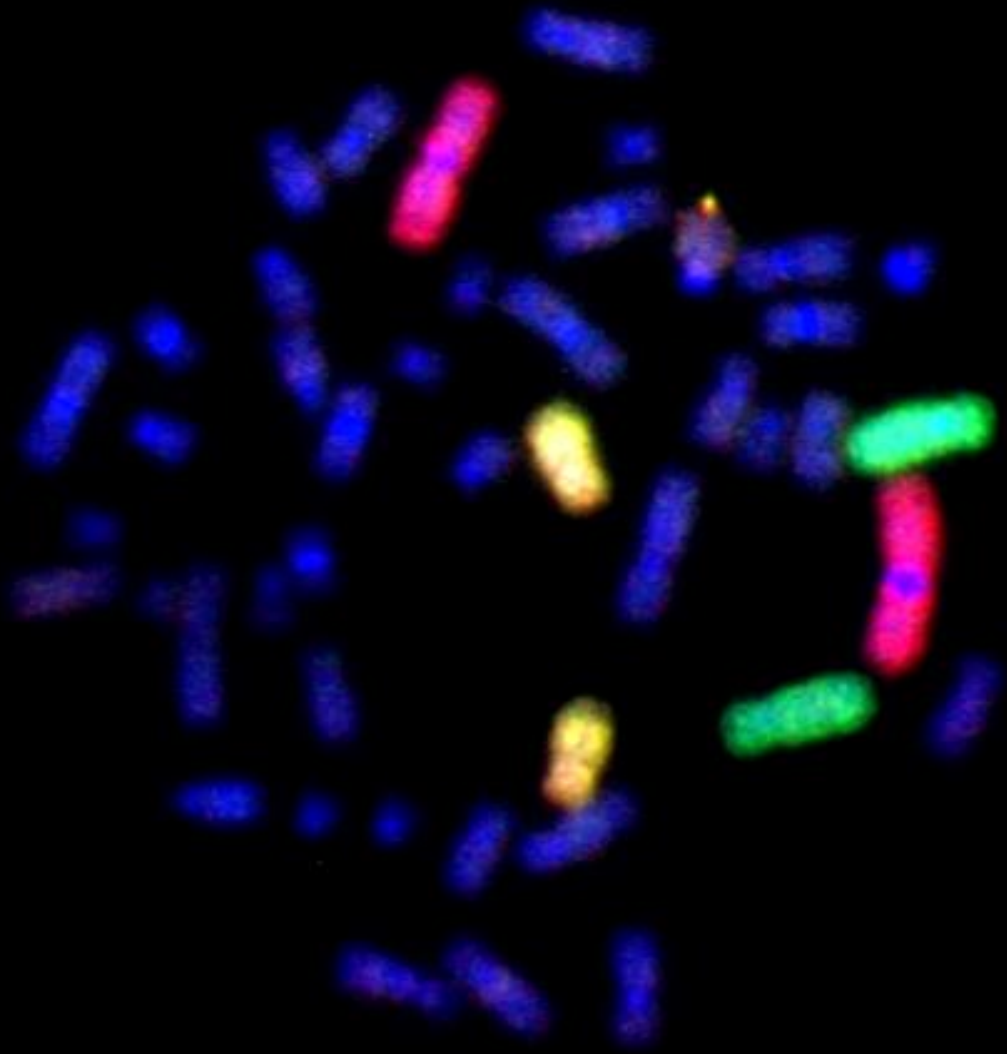
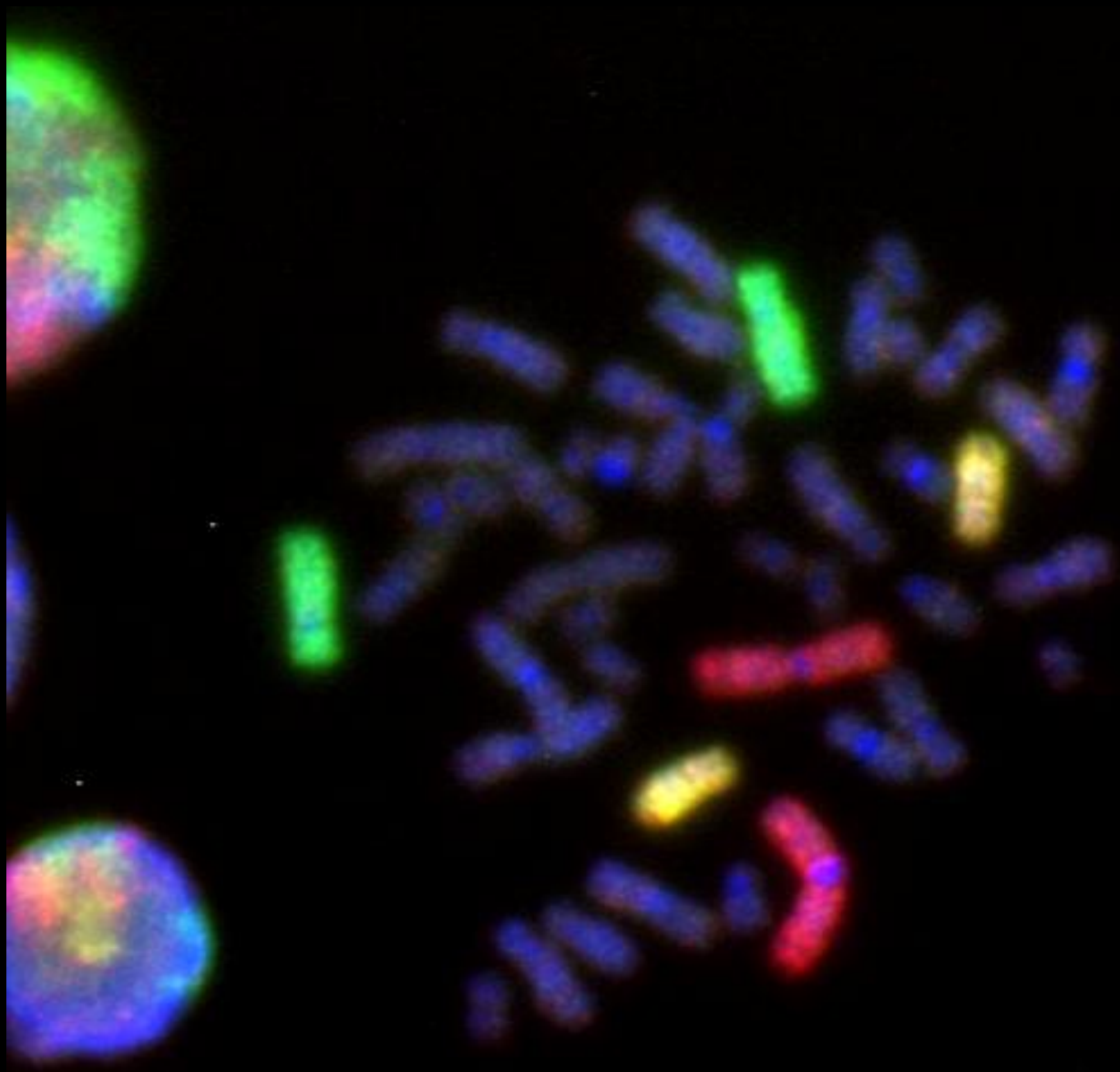


Image 40

Three colour painting

Image 41

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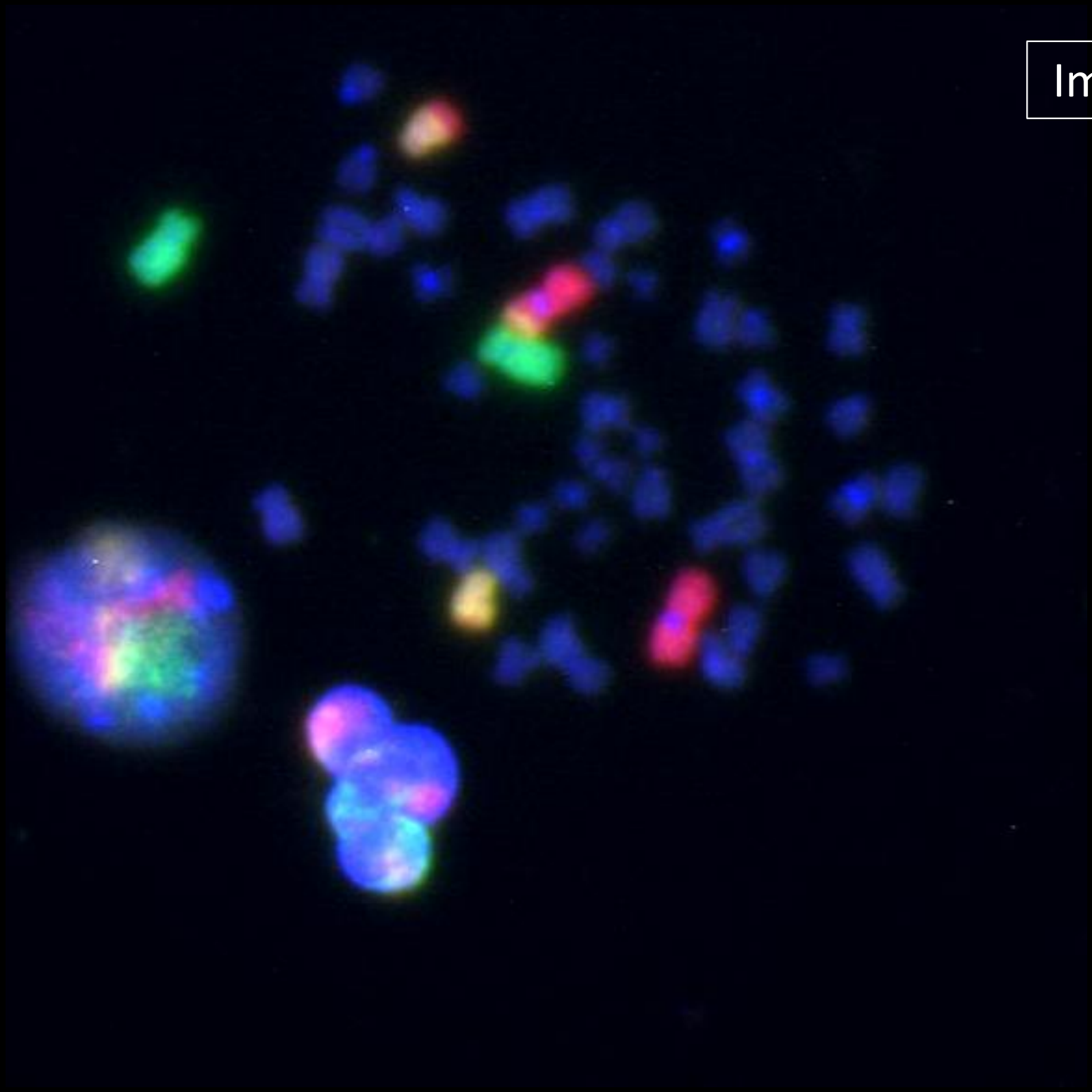
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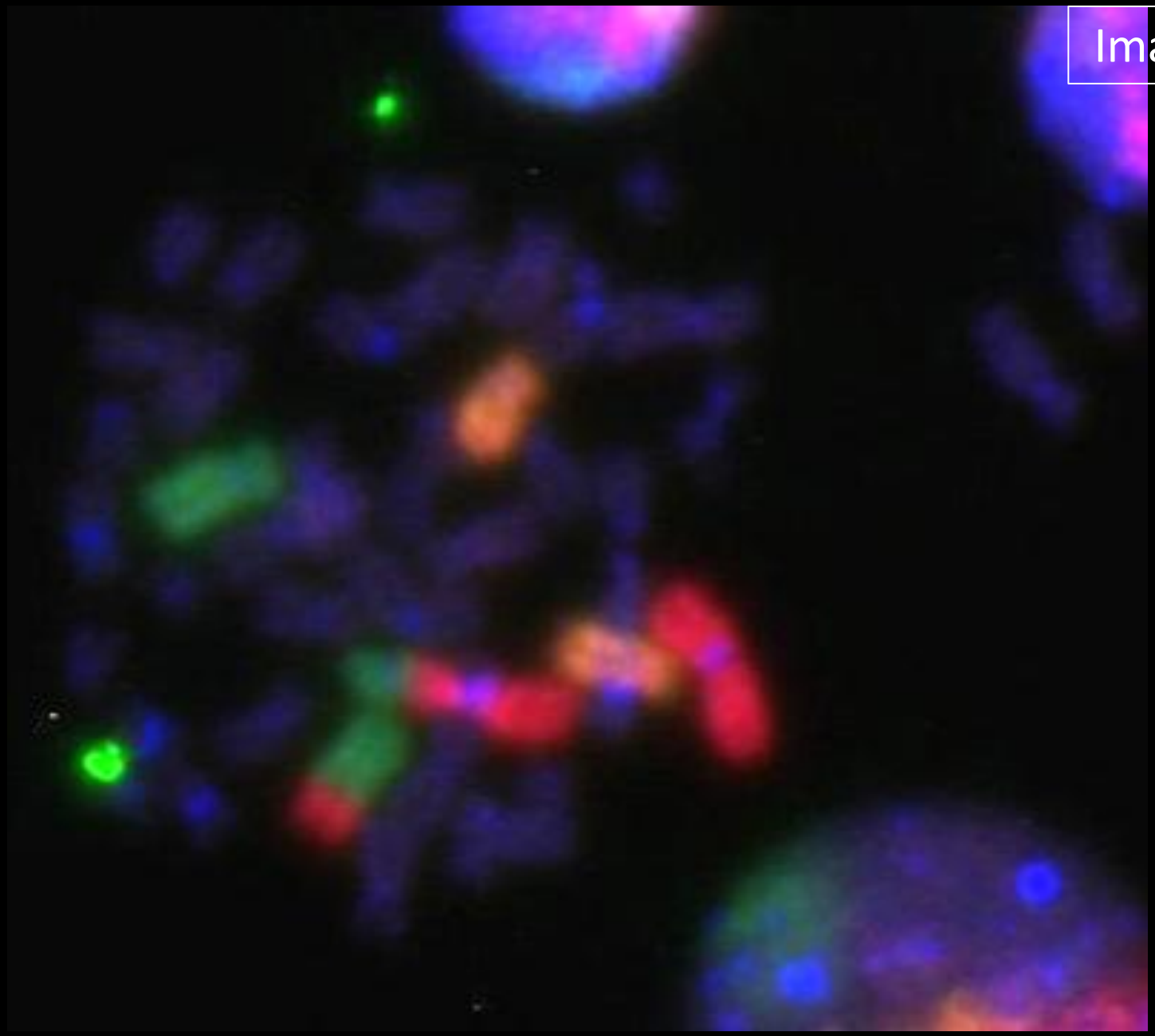
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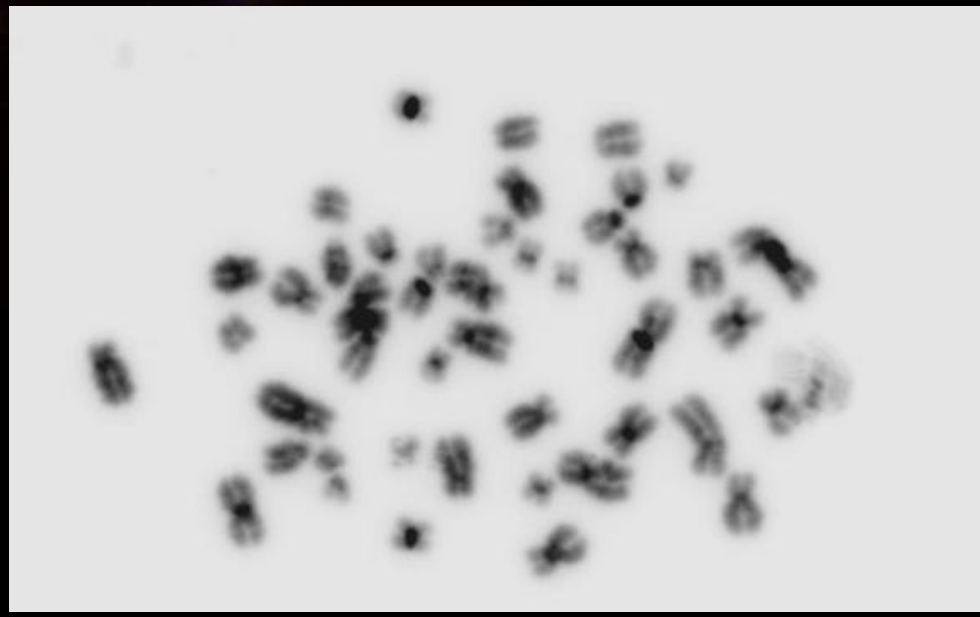

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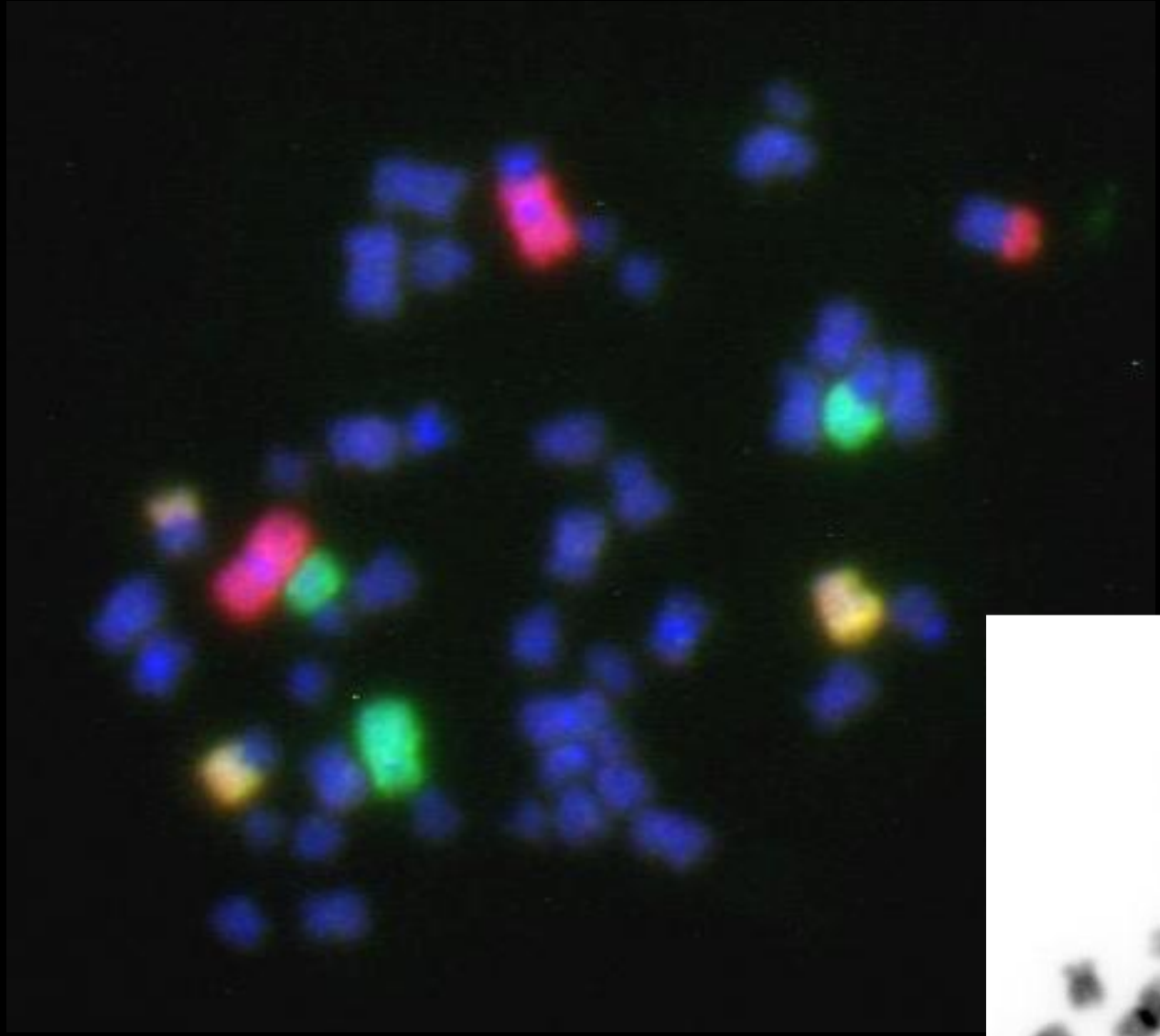

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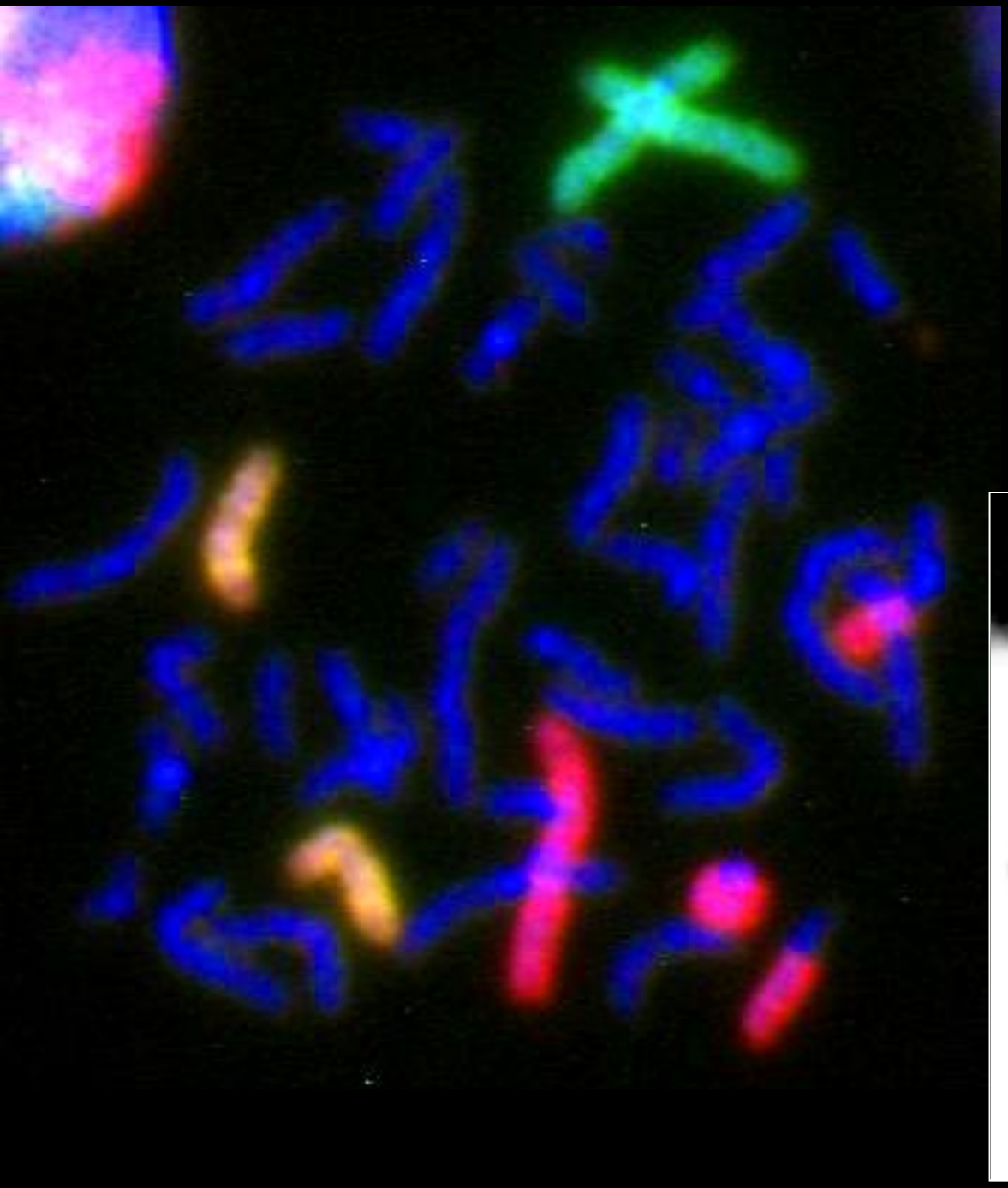

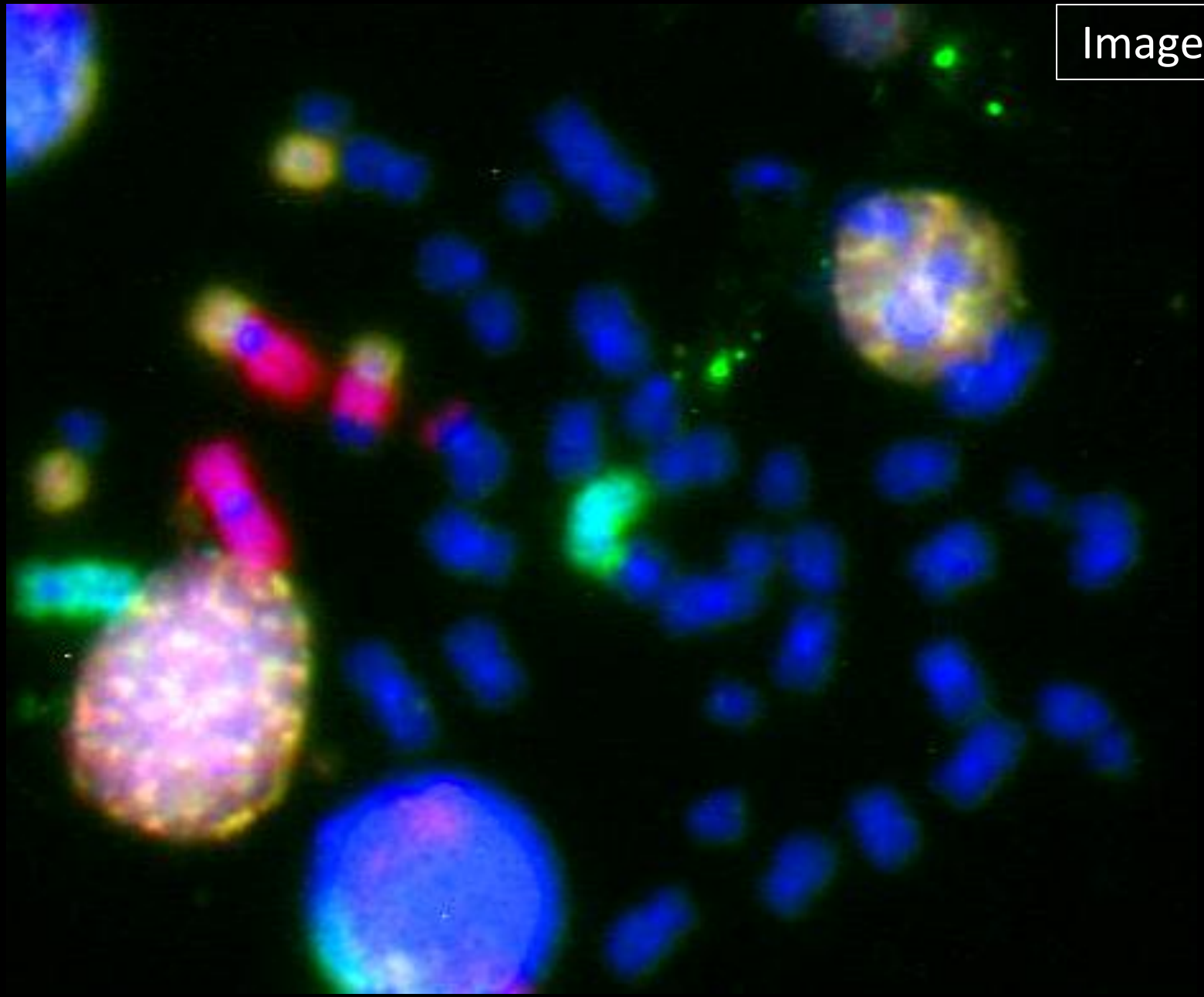
Image 48a

Image 48b

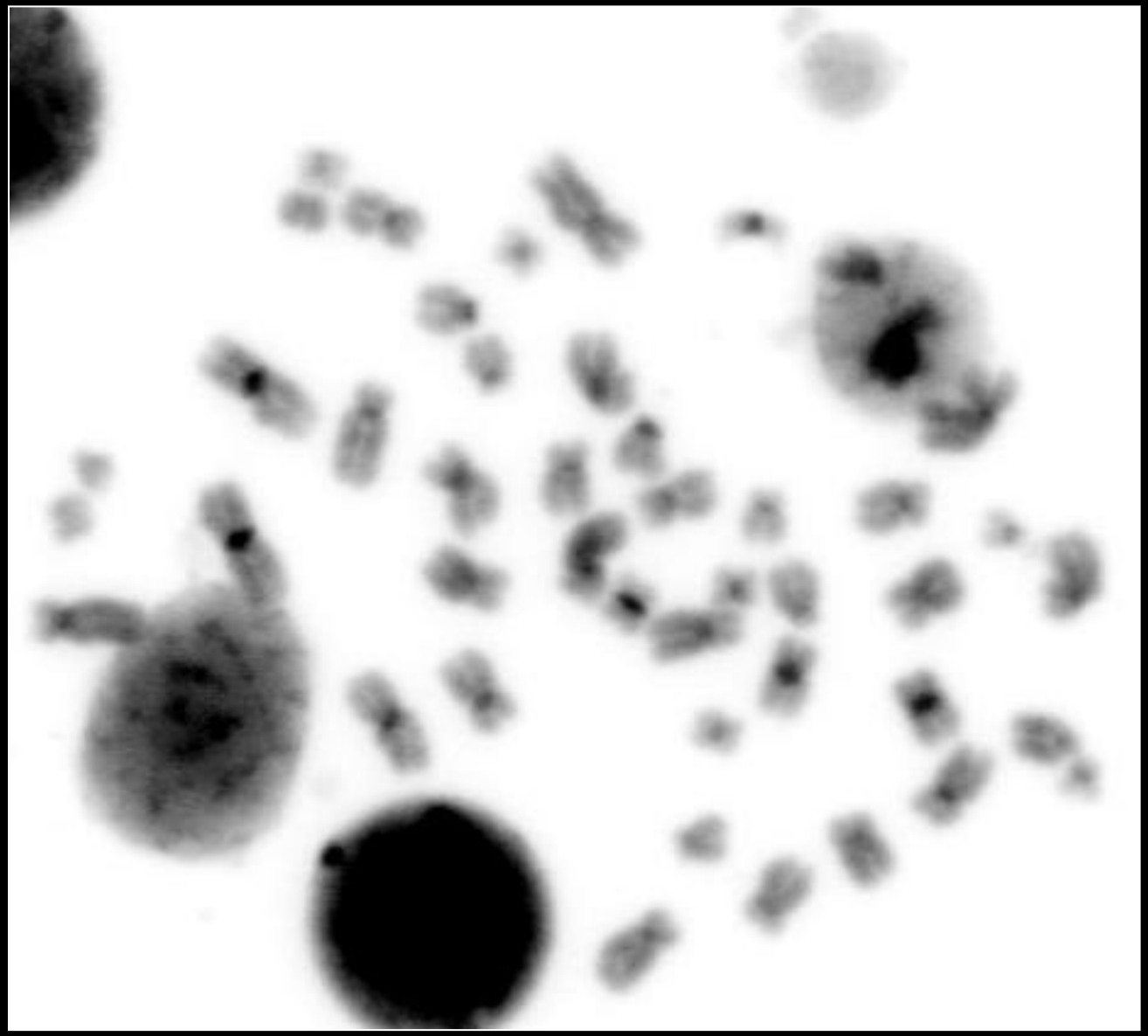

Image 49

Image 50